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MAINE DEPARTMENT OF LABOR
BUREAU OF EMPLOYMENT SECURITY
Division of Economic Analysis and Research

MAINE OCCUPATIONAL STAFFING PATTERNS

For

SELECTED NONMANUFACTURING INDUSTRIES

Construction; Finance, Insurance, and Real Estate; and Services, Except Education and Hospitals

Data for Second Quarter 1984

Labor Market Information Services

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SECOND QUARTER 1984

This labor market information is developed through a cooperative program with the U.S. Bureau of Labor Statistics

BUREAU OF EMPLOYMENT SECURITY
DIVISION OF ECONOMIC ANALYSIS AND RESEARCH
Raynold A. Fongemie, Director

A Publication Series Developed by the Occupational Outlook and Job Information Section
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ISSUED DECEMBER 1985 AUGUSTA, MAINE

PREFACE

We wish to express our thanks to all the employers who supplied the necessary occupational employment data on which the estimates presented herein are based. This publication would not have been possible without their cooperation.

We also wish to express our thanks to the U.S. Department of Labor, both in Washington, D.C. and the regional level in Boston, Massachusetts, for their assistance in this federal-state cooperative effort.

For further information regarding this report please write to us or call 207-289-2271.

Raynold A. Fongemie, Director
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December 1985
Augusta, Maine 04330

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INTRODUCTION

This publication is one of a continuing number of reports covering occupational employment for selected industries in Maine. The information in these reports relates to part of a comprehensive "labor market and occupational supply and demand information system" which is mandated by the Job Training Partnership Act of 1982. This federal legislation, coupled with the rapidly expanding public awareness of the need for more vocational training, has resulted in an unparalleled demand for current employment data and projections of future employment requirements by occupation.

The Occupational Employment Statistics (OES) Program is mandated as the system which supplies the occupational data leading to an "Occupational Supply and Demand Information System." This program is a federal-state endeavor involving many state employment security agencies throughout the nation, in conjunction with the U.S. Bureau of Labor Statistics. The OES program consists of two components: survey operations and industry-occupation matrices. The data from this program is then used in our occupational employment projections program.

The first part of the OES program consists primarily of collecting occupational employment data by industry through a survey questionnaire mailed to a sample of establishments throughout the State. The sample data received is expanded, using a system of weights and benchmark factors, to produce statewide staffing patterns for the industry. These staffing patterns can then be applied to current or projected estimates of industrial employment to produce estimates of employment by occupation for the State or substate area.

This publication, a direct result of the survey phase of the OES program, contains the staffing patterns for selected nonmanufacturing industries. These include construction; finance, insurance, and real estate; and service industries other than hospitals and schools. The actual employment data was collected for the week of the 12th of April, May, or June 1984 depending on the industrial classification.

Other booklets have already been published covering nearly all wage and salary workers in Maine. Approximately one-third of the State's industries will be surveyed each year, so that the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

The information obtained from these surveys is used in the second phase of the OES program to construct industry-occupation matrices covering all sectors of our economy. These matrices, in turn, provide the data base used to project occupational requirements and is one of the basic ingredients of the "Comprehensive Manpower Information System."

SPECIAL NOTE
COMPATIBILITY WITH PREVIOUS SURVEY

This publication represents a completely revised occupational classification system over that which was used in the 1981 survey of selected nonmanufacturing industries. This new system incorporates emerging paraprofessionals and higher skilled occupations in the fields of health and computer science; identifies many more managerial occupations; compresses the occupational categories in "Maintenance and Production," retaining or enhancing the more highly skilled occupations and developing larger more aggregate level occupational categories for the remainder; and obtains compatibility with the 1980 Standard Occupational Classification (SOC) Manual. One main objective of this revised classification system is to create a system which reflects a balance between the majority of user needs for data and the practical limitations of survey collection.

If you have any comments or questions concerning this new occupational classification system, or the Occupational Employment Statistics (OES) Program as a whole, please do not hesitate to write or call us at (207) 289-2271.

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SELECTED NONMANUFACTURING INDUSTRIES
UNIVERSE, SAMPLE, AND RESPONSE RATE .
BY SIC 1/

Standard Industrial Classification (SIC)	Sampling Universe 2/		Sample				Usable Response		Response Rate 3/	
			Units		Employment					
	Units 4/	Employment	Number	% of Universe	Number	% of Universe	Units	Employment	Units	Employment
10-14	13	160	13	100.00	141	88.13	11	127	84.62	90.07
15	364	4,951	165	45.33	2,460	49.69	130	2,058	78.79	83.66
16	120	3,618	61	50.83	2,757	76.20	40	1,752	65.57	63.55
17	636	8,186	310	48.74	4,338	52.99	238	3,446	76.77	79.44
60	291	7,191	85	29.21	5,027	69.91	82	4,874	96.47	96.96
61	106	1,238	82	77.36	919	74.23	76	857	92.68	93.25
62 & 67	34	630	34	100.00	492	78.10	30	433	88.24	88.01
63	89	4,771	64	71.91	4,486	94.03	55	4,283	85.94	95.47
64	181	2,130	119	65.75	1,413	66.34	104	1,289	87.39	91.22
65 & 66	154	1,960	151	98.05	1,261	64.34	126	1,015	83.44	80.49
70	367	6,482	74	20.16	2,772	42.76	54	2,087	72.97	75.29
72	245	3,157	192	78.37	2,208	69.94	152	1,804	79.17	81.70
73	345	6,754	224	64.93	5,218	77.26	160	4,054	71.43	77.69
75	175	2,142	147	84.00	1,467	68.49	113	1,204	76.87	82.07
76	57	797	57	100.00	550	69.01	49	489	85.96	88.91
78	50	559	31	62.00	397	71.02	24	288	77.42	72.54
79	145	2,109	104	71.72	1,484	70.37	74	1,141	71.15	76.89
80 except 806	745	16,945	169	22.68	4,886	28.83	145	4,152	85.80	84.98
81	159	2,330	47	29.56	874	37.51	41	827	87.23	94.62
83	255	5,782	107	41.96	3,945	68.23	95	3,581	88.79	90.77
86 except 866	188	2,515	101	53.72	1,558	61.95	82	1,357	81.19	87.10
84	9	97	9	100.00	95	97.94	9	95	100.00	100.00
89	174	3,213	72	41.38	2,011	62.59	60	1,647	83.33	81.90

1/ All the data in this table are based on the sampling benchmark data (2nd quarter 1983) rather than the estimating benchmark data (2nd quarter 1984). The industries are defined by the 1972 Standard Industrial Classification (SIC) Manual.

2/ Data obtained from the second quarter 1983 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

3/ The response rate is the usable response expressed as a percent of the sample.

4/ This number of units reflects only those units employing four or more employees. Since the OES program does not survey any employer who employs less than four people, these employers are not reflected in the "units" count in this table. However, their employees are included in the "employment" count as shown in this table. Therefore, the situation arises, as with SIC 76, that 100 percent of the units were included in the sample, but only 69 percent of the employment. The remaining 31 percent of the employment was in units employing less than four workers, and thus not surveyed. Their employment, however, is reflected in the final occupational estimates.

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BUILDING CONSTRUCTION - GENERAL CONTRACTORS AND OPERATIVE BUILDERS

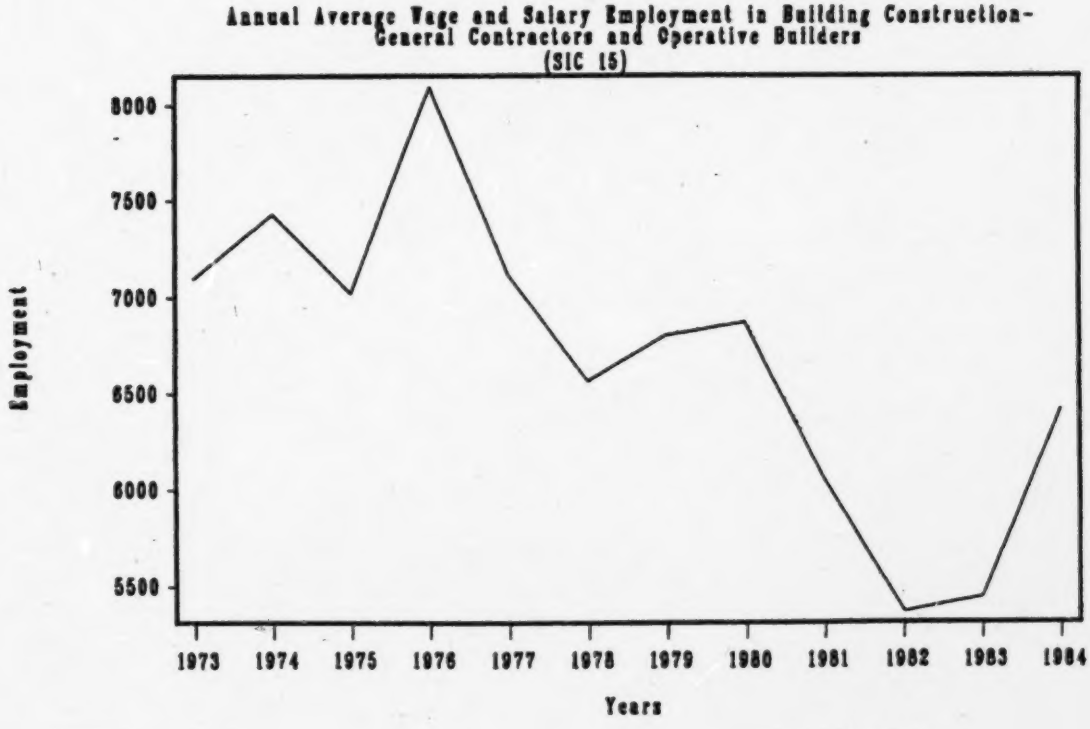
SIC 15

This major group includes general contractors and operative builders primarily engaged in the construction of residential, farm, industrial, commercial, or other buildings. General building contractors who combine a special trade with the contracting are included in this major group.

The annual average wage and salary employment in the building construction industry reached a high of 8,095 workers in 1976. Between 1976 and 1978, the industry experienced an 18.9 percent reduction in employment. An even further decrease, 21.8 percent, was evidenced between 1980 and 1982 when an employment low of 5,372 workers was recorded. Since that time, employment has shown an increase of 19.4 percent with the number of workers growing to 6,416 in 1984.

214k

FIGURE 1



SIC 15
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Carpenters	2,750	41.86
Helpers, Carpenters and Related	610	9.28
Construction Managers	350	5.33
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	310	4.72
Painters and Paperhangers, Construction and Maintenance	150	2.28
Bookkeeping, Accounting, and Auditing Clerks	140	2.13
General Office Clerks	130	1.98
Cost Estimators	100	1.52
Concrete and Terrazzo Finishers	100	1.52
Cabinetmakers and Bench Carpenters	90	1.37

Eleven Occupations Most Frequently Reported by Employers

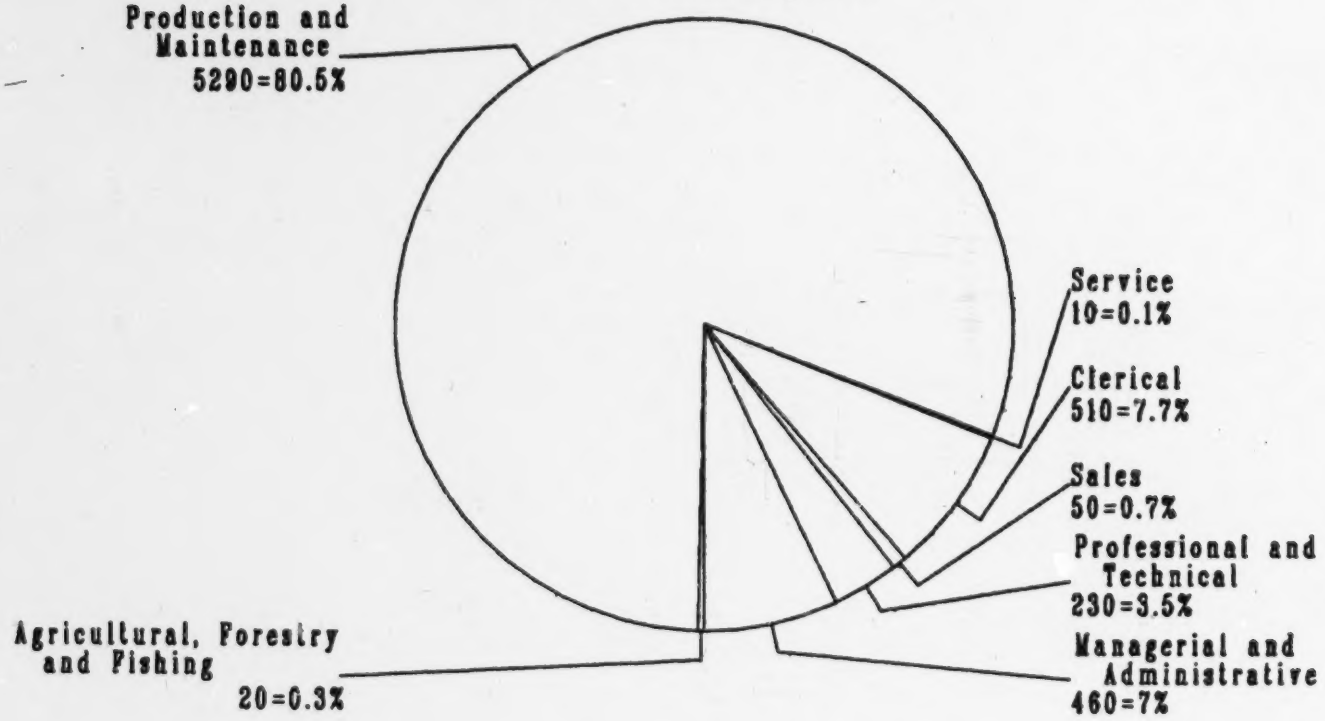
Occupation	Percent of Units Reporting the Occupation
Carpenters	92
Construction Managers	49
Helpers, Carpenters and Related	38
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	35
Bookkeeping, Accounting, and Auditing Clerks	35
General Office Clerks	26
Secretaries, except Legal and Medical	21
Cost Estimators	20
Cabinetmakers and Bench Carpenters	13
Payroll and Timekeeping Clerks	12
Painters and Paperhangers, Construction and Maintenance	12

212k

FIGURE 2

Percentage of Employment by Major Occupational Categories

for SIC 15 in May 1984



BUILDING CONSTRUCTION - GENERAL CONTRACTORS AND OPERATIVE BUILDERS
SIC 15
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	6,570	100.00	na	na
Managerial and Administrative Occupations	460	7.00	na	na
Financial Managers	40	0.61	31	10
Construction Managers	350	5.33	13	49
General Managers and Top Executives	50	0.76	21	11
All Other Managers and Administrators	20	0.30	na	na
Professional, Paraprofessional, and Technical Occupations	230	3.50	na	na
Cost Estimators	100	1.52	17	20
All Other Management Support Workers	50	0.76	na	na
Civil Engineers, including Traffic	20	0.30	31	5
All Other Engineers	20	0.30	na	na
Engineering and Related Technicians and Technologists	40	0.61	na	na
Sales and Related Occupations	50	0.76	na	na
Clerical and Administrative Support Occupations	510	7.76	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	10	0.15	11	5
Secretaries, except Legal and Medical	80	1.22	17	21
Bookkeeping, Accounting, and Auditing Clerks	140	2.13	14	35
Payroll and Timekeeping Clerks	70	1.07	23	12
General Office Clerks	130	1.98	16	26
Office Machine Operators	10	0.15	na	na
Material Recording, Scheduling, and Distributing Workers	10	0.15	na	na
All Other Clerical and Administrative Support Workers	60	0.91	na	na
Service Occupations	10	0.15	na	na
Agricultural, Forestry, Fishing, and Related Occupations	20	0.30	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	5,290	80.52	na	na
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	310	4.72	13	35
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	30	0.46	na	na
Maintenance Repairers, General Utility	30	0.46	33	7
All Other Mechanics, Installers, and Repairers	130	1.98	na	na
Carpenters	2,750	41.86	5	92
Electricians	80	1.22	33	4
Concrete and Terrazzo Finishers	100	1.52	30	9
Painters and Paperhangers, Construction and Maintenance	150	2.28	28	12
All Other Construction Trades Workers	370	5.63	na	na
Precision Metal Workers	20	0.30	na	na
Cabinetmakers and Bench Carpenters	90	1.37	23	13
Metal and Plastic Machine Setters and Set-Up Operators	10	0.15	na	na
Hand Workers	20	0.30	na	na
Operating Engineers	70	1.07	31	9
All Other Transportation and Material Moving Equipment Operators	110	1.67	na	na
Helpers, Carpenters and Related	610	9.28	13	38
All Other Helpers, Laborers, and Material Movers, Hand	410	6.24	na	na

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CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION - GENERAL CONTRACTORS

SIC 16

This major group includes general contractors engaged in heavy construction (including new work, additions, improvements, maintenance, and repair) such as highways and streets, bridges, sewers, railroads, irrigation projects, flood control projects and marine construction, and miscellaneous types of construction work other than buildings. General heavy construction contractors who combine a special trade with the contracting are included in this major group.

The annual average wage and salary employment in this industry has fluctuated a good deal since 1973. There was an abrupt drop in employment, 14.4 percent, between 1973 and 1975 with the number of workers bottoming out at 3,214. This was followed by a sharp increase, 22.6 percent between 1977 and 1980, when employment reached a high of 3,944. Another sharp decrease, 18.9 percent, was seen from 1980 to 1983. The industry has currently experienced signs of a recovery showing a 9.6 percent increase in employment between 1983 and 1984.

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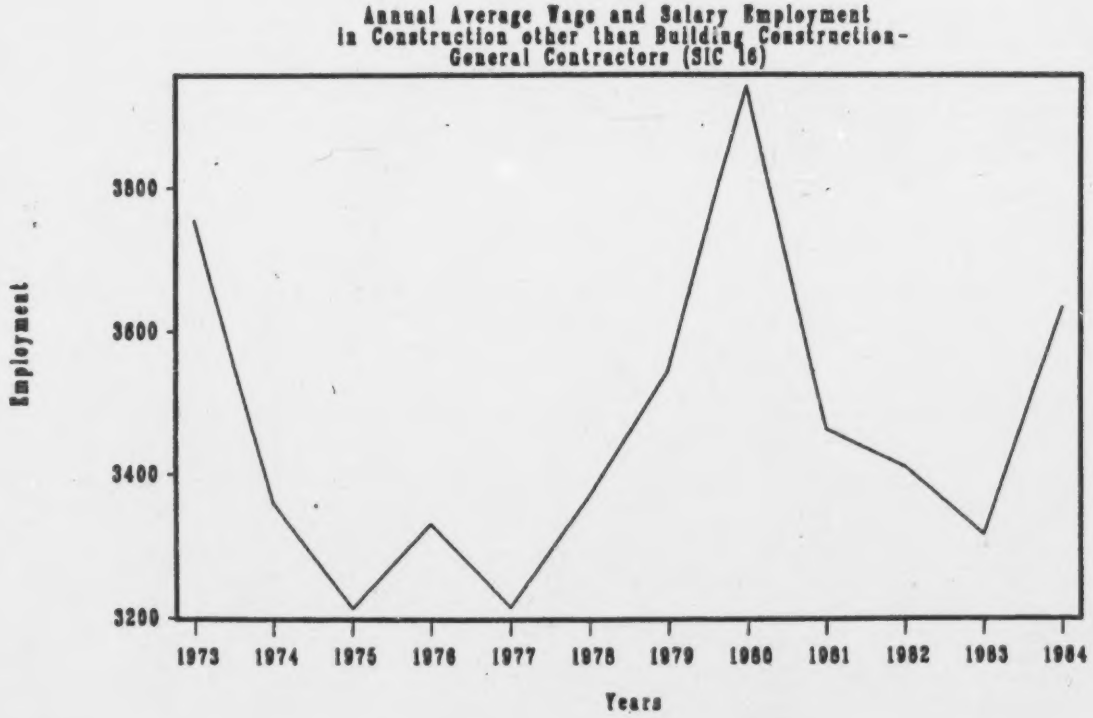
FIGURE 3



SIC 16
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Truck Drivers, Heavy or Tractor Trailer.....	580	14.54
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers.....	290	7.27
Excavating and Loading Machine Operators.....	230	5.76
Grader, Dozer, and Scraper Operators.....	200	5.01
Mobile Heavy Equipment Mechanics, except Engines..	140	3.51
Carpenters.....	140	3.51
Construction Managers.....	130	3.26
General Office Clerks.....	130	3.26
Welders and Cutters.....	100	2.51
Crane and Tower Operators.....	80	2.01

Ten Occupations Most Frequently Reported by Employers

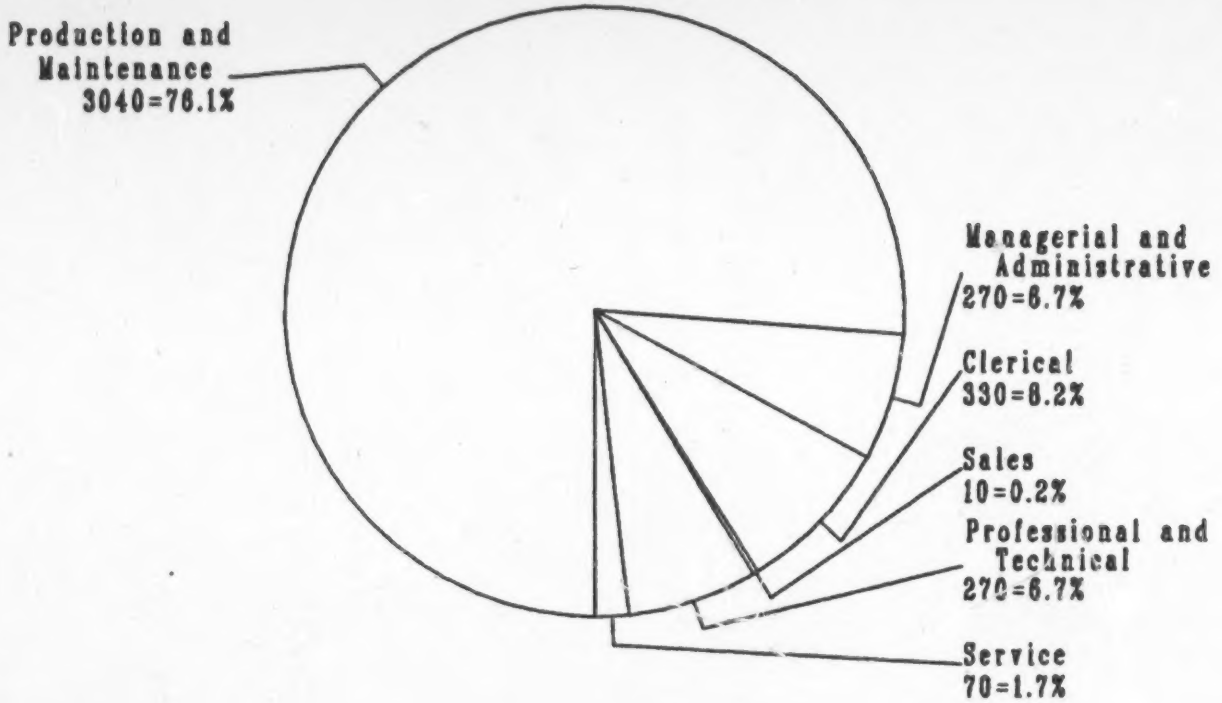
Occupation	Percent of Units Reporting the Occupation
Truck Drivers, Heavy or Tractor Trailer.....	78
Grader, Dozer, and Scraper Operators.....	60
Construction Managers.....	58
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers.....	58
Mobile Heavy Equipment Mechanics, except Engines.....	53
Secretaries.....	45
Excavating and Loading Machine Operators.....	43
General Office Clerks.....	35
Financial Managers.....	33
Welders and Cutters.....	33

218k

FIGURE 4

Percentage of Employment by Major Occupational Categories

for SIC 16 in May 1984



CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION - GENERAL CONTRACTORS
SIC 16
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	3,990	100.00	na	na
Managerial and Administrative Occupations	270	6.77	na	na
Financial Managers	40	1.00	21	33
Personnel, Training, and Labor Relations Managers	10	0.25	10	8
Construction Managers	130	3.26	14	58
General Managers and Top Executives	50	1.25	10	25
All Other Managers and Administrators	40	1.00	na	na
Professional, Paraprofessional, and Technical Occupations	270	6.77	na	na
Purchasing Agents, except Wholesale, Retail, and Farm Products	10	0.25	25	15
Personnel, Training, and Labor Relations Specialists	10	0.25	7	8
Cost Estimators	40	1.00	18	25
All Other Management Support Workers	30	0.75	na	na
Civil Engineers, including Traffic	60	1.50	14	25
Civil Engineering Technicians and Technologists	40	1.00	8	8
Drafters	10	0.25	20	8
All Other Engineers and Related Technicians and Technologists	10	0.25	na	na
All Other Professional, Paraprofessional, and Technical Workers	60	1.50	na	na
Sales and Related Occupations	10	0.25	na	na
Clerical and Administrative Support Occupations	330	8.27	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	10	0.25	21	13
Secretaries	60	1.50	15	45
Receptionists and Information Clerks	10	0.25	14	8
Bookkeeping, Accounting, and Auditing Clerks	40	1.00	19	30
Payroll and Timekeeping Clerks	30	0.75	30	23
General Office Clerks	130	3.26	9	35
Material Recording, Scheduling, and Distributing Workers	30	0.75	na	na
All Other Clerical and Administrative Support Workers	20	0.50	na	na
Service Occupations	70	1.75	na	na
Protective Service Workers	40	1.00	na	na
Food Service Workers	10	0.25	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	20	0.50	18	13
Production, Construction, Operating, Maintenance, and Material Handling Occupations	3,040	76.19	na	na
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	20	0.50	22	8
First Line Supervisors and Manager/Supervisors, Construction Trades and Extrative Workers	290	7.27	6	58
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	0.25	na	na
Bus and Truck Mechanics, and Diesel Engine Specialists	40	1.00	26	18
Mobile Heavy Equipment Mechanics, except Engines	140	3.51	12	53
All Other Mechanics, Installers, and Repairers	90	2.26	na	na
Carpenters	140	3.51	27	20
Electricians	10	0.25	16	8
Concrete and Terrazzo Finishers	20	0.50	35	10
Air Hammer Operators	40	1.00	34	20
Paving, Surfacing, and Tamping Equipment Operators	70	1.75	21	15

SIC 16 (continued)

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Production, Construction, Operating, Maintenance, and Material Handling Occupations (continued)				
Blasters and Explosive Workers	10	0.25	28	10
All Other Construction and Extractive Workers, except Helpers	140	3.51	na	na
Crushing, Grinding, Mixing, and Blending Machine Operators and Tenders	50	1.25	20	23
Welders and Cutters	100	2.51	17	33
All Other Hand Workers	20	0.50	na	na
Plant and System Operators	10	0.25	na	na
Truck Drivers, Heavy or Tractor Trailer	580	14.54	8	78
Truck Drivers, Light, including Delivery and Route Workers	50	1.25	33	23
Excavating and Loading Machine Operators	230	5.76	17	43
Grader, Dozer, and Scraper Operators	200	5.01	14	60
Crane and Tower Operators	80	2.01	22	20
All Other Material Moving Equipment Operators	60	1.50	na	na
Mechanic and Repairer Helpers	50	1.25	21	23
All Other Helpers, Laborers, and Material Movers, Hand	590	14.79	na	na

201j

CONSTRUCTION - SPECIAL TRADE CONTRACTORS

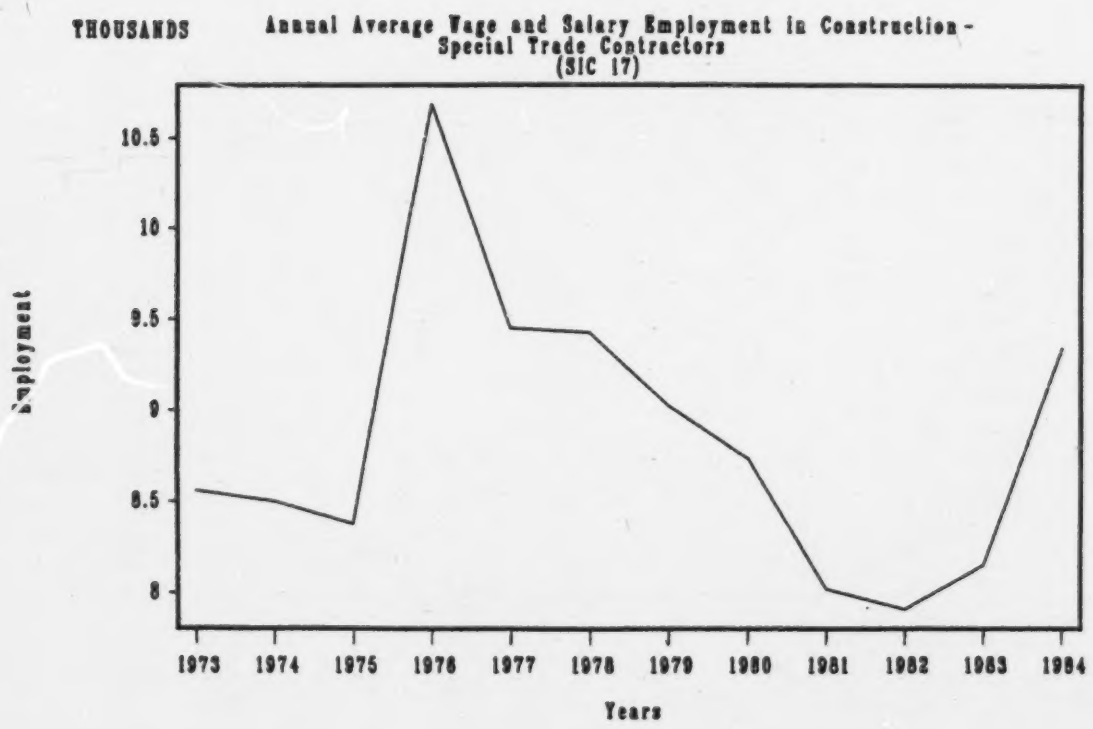
SIC 17

This major group includes contractors who undertake specialized activities such as plumbing, painting, plastering, carpentering, etc. Special trade contractors may work on subcontract from the general contractor, performing only part of the work covered by the general contract, or they may work directly for the owner.

This industry's annual average wage and salary employment rose dramatically from 1975 to 1976, increasing the number of workers, 27.6 percent from 8,377 to 10,693. This was followed by a fairly steady decline, 26.0 percent, over the next six years with employment reaching a low of 7,913 in 1982. Following that downturn, the industry experienced an increase with the number of workers growing by 18.1 percent between 1982 and 1984.

216k

FIGURE 5



SIC 17
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Electricians	840	8.43
Plumbers, Pipefitters, and Steamfitters	710	7.13
Painters and Paperhangers, Construction and Maintenance	620	6.22
Carpenters	400	4.02
Concrete and Terrazzo Finishers	380	3.82
Helpers, Brick and Stone Masons, and Hard Tile Setters	380	3.82
Roofers	360	3.61
Sheet Metal Workers	350	3.51
Brick Masons	330	3.31
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	290	2.91

Ten Occupations Most Frequently Reported by Employers

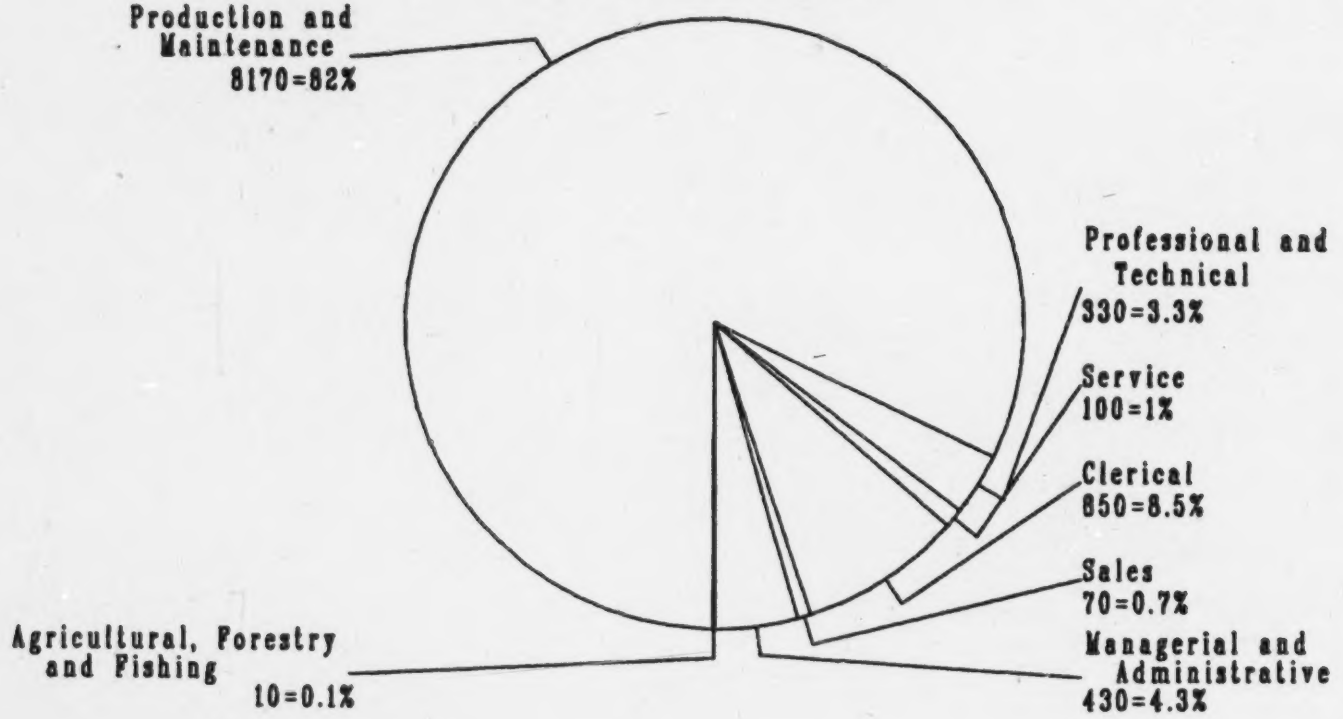
Occupation	Percent of Units Reporting the Occupation
Construction Managers	32
Bookkeeping, Accounting, and Auditing Clerks	32
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	29
Secretaries, except Legal and Medical	28
Cost Estimators	27
General Office Clerks	27
Plumbers, Pipefitters, and Steamfitters	20
Electricians	16
Financial Managers	14
Grader, Dozer, and Scraper Operators	13

220k

FIGURE 6

Percentage of Employment by Major Occupational Categories

for SIC 17 in May 1984



CONSTRUCTION - SPECIAL TRADE CONTRACTORS
SIC 17
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	9,960	100.00	na	na
Managerial and Administrative Occupations	430	4.32	na	na
Financial Managers	110	1.10	19	14
Construction Managers	260	2.61	10	32
General Managers and Top Executives	60	.60	25	9
Professional, Paraprofessional, and Technical Occupations	330	3.31	na	na
Accountants and Auditors	20	0.20	31	4
Purchasing Agents, except Wholesale, Retail, and Farm Products	30	0.30	22	6
Cost Estimators	200	2.01	13	27
Mechanical Engineers	10	0.10	35	2
All Other Engineers	40	0.40	na	na
Drafters	20	0.20	38	4
All Other Engineering and Related Technicians and Technologists	10	0.10	na	na
Sales Occupations	70	0.70	na	na
Sales Representatives, except Scientific and Related Products or Service and Retail	40	0.40	25	5
All Other Sales and Related Workers	30	0.30	na	na
Clerical and Administrative Support Occupations	850	8.53	na	na
Secretaries, except Legal and Medical	240	2.41	12	28
Bookkeeping, Accounting, and Auditing Clerks	250	2.51	11	32
Payroll and Timekeeping Clerks	30	0.30	23	7
General Office Clerks	260	2.61	14	27
Stock Clerks, Stockroom, Warehouse, or Storage Yard	50	0.50	17	8
All Other Material Recording, Scheduling, and Distributing Workers	10	0.10	na	na
All Other Clerical and Administrative Support Workers	10	0.10	na	na
Service Occupations	100	1.00	na	na
Agricultural, Forestry, Fishing, and Related Occupations	10	0.10	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	8,170	82.03	na	na
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	290	2.91	10	29
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	0.10	na	na
Millwrights	90	0.90	33	3
Automotive Mechanics	30	0.30	32	4
Bus and Truck Mechanics, and Diesel Engine Specialists	40	0.40	29	5
Mobile Heavy Equipment Mechanics, except Engines	30	0.30	32	3
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	150	1.51	25	7
All Other Mechanics, Installers, and Repairers	160	1.61	na	na
Carpenters	400	4.02	26	7
Drywall Installers	160	1.61	22	3
Tapers	90	0.90	31	4
Electricians	840	8.43	7	16
Brick Masons	330	3.31	21	7
Concrete and Terrazzo Finishers	380	3.82	20	8
Plasterers and Stucco Masons	20	0.20	31	1
Painters and Paperhangers, Construction and Maintenance	620	6.22	10	7
Plumbers, Pipefitters, and Steamfitters	710	7.13	10	20
Paving, Surfacing, and Tamping Equipment Operators	90	0.90	41	2
Insulation Workers	240	2.41	38	3
Roofers	360	3.61	8	7
All Other Construction Trades Workers	360	3.61	na	na
Extractive Workers, except Helpers	70	0.70	na	na

SIC 17 (continued)

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Production, Construction, Operating, Maintenance, and Material Handling Occupations (continued)				
Sheet Metal Workers	350	3.51	22	8
Boilermakers	140	1.41	25	2
All Other Precision Workers	100	1.00	na	na
Metal Fabricators, Structural Metal Products	30	0.30	27	1
Machine Operators and Tenders	10	0.10	na	na
Welders and Cutters	60	0.60	39	3
All Other Hand Workers	20	0.20	na	na
Truck Drivers, Heavy or Tractor Trailer	190	1.91	23	9
Truck Drivers, Light, including Delivery and Route Workers	130	1.31	21	10
Excavating and Loading Machine Operators	160	1.61	21	10
Grader, Dozer, and Scraper Operators	160	1.61	16	13
Industrial Truck and Tractor Operators	90	0.90	34	3
Operating Engineers	60	0.60	50	3
All Other Material Moving Equipment Operators	40	0.40	na	na
Mechanic and Repairer Helpers	20	0.20	40	3
Helpers, Brick and Stone Masons, and Hard Tile Setters	380	3.82	16	8
Helpers, Electrical and Powerline Transmission Installers	220	2.21	15	8
Helpers, Plumbers, Pipefitters, and Steamfitters	200	2.01	15	10
Helpers, Roofers	60	0.60	31	3
Helpers, All Other Construction Trades	80	0.80	na	na
All Other Freight, Stock, and Material Movers, Hand	70	0.70	na	na
All Other Helpers, Laborers, and Material Movers, Hand	130	1.31	na	na

213j

BANKING

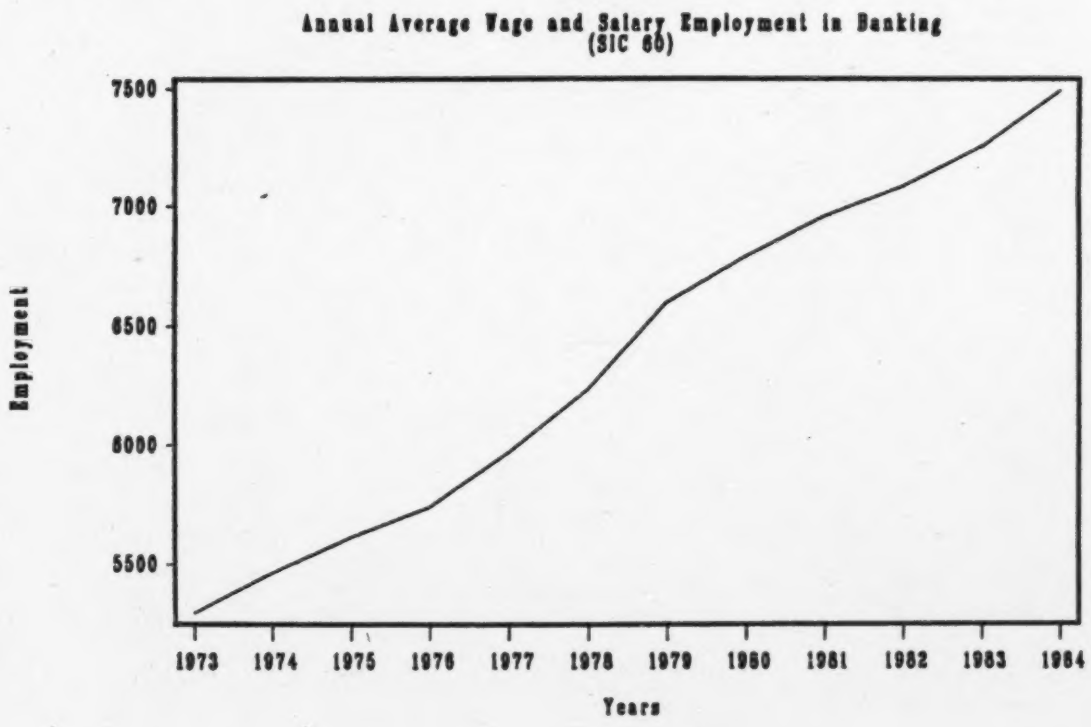
SIC 60

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

The banking industry has shown a steady increase in its annual average wage and salary employment since 1973. The industry gained 2,196 workers from 5,298 in 1973 to 7,494 in 1984. This translates to an overall increase of 41.4 percent, or an annual average rate of 3.8 percent.

216k

FIGURE 7



SIC 60
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Tellers	2,230	29.93
Financial Managers	560	7.52
General Office Clerks	480	6.44
General Managers and Top Executives	320	4.30
Secretaries, except Legal and Medical	300	4.03
New Accounts Clerks	290	3.89
Bookkeeping, Accounting, and Auditing Clerks	280	3.76
Loan Officers and Counselors	280	3.76
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations.	250	3.36
Loan and Credit Clerks	250	3.36

Eleven Occupations Most Frequently Reported by Employers

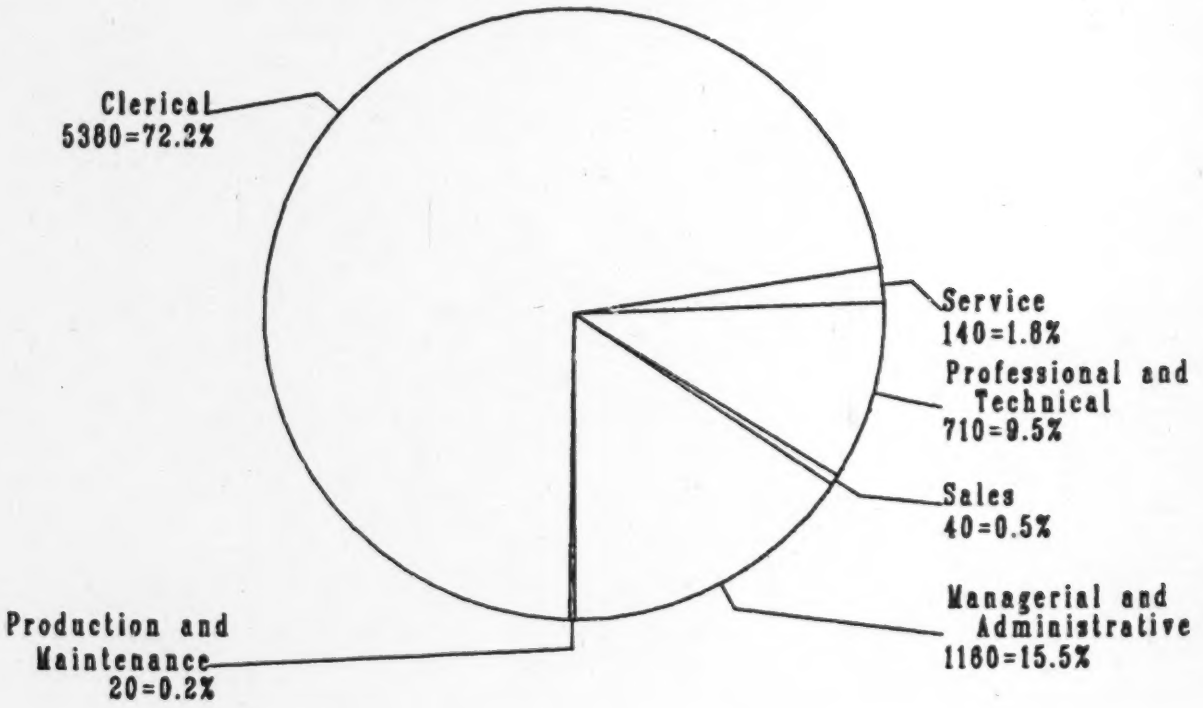
Occupation	Percent of Units Reporting the Occupation
Tellers	98
Financial Managers	91
New Accounts Clerks	67
Secretaries, except Legal and Medical	62
Loan and Credit Clerks	43
Bookkeeping, Accounting, and Auditing Clerks	41
Janitors and Cleaners, except Maids and Housekeeping Cleaners	39
Loan Officers and Counselors	37
General Managers and Top Executives	32
General Office Clerks	32
Switchboard Operators	32

221k

FIGURE 8

Percentage of Employment by Major Occupational Categories

for SIC 60 in May 1984



BANKING
SIC 60
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	7,450	100.00	na	na
Managerial and Administrative Occupations	1,160	15.57	na	na
Financial Managers	560	7.52	8	91
Personnel, Training, and Labor Relations Managers	40	0.54	7	26
Purchasing Managers	10	0.13	10	11
Marketing, Advertising, and Public Relations Managers	30	0.40	12	15
Administrative Services Managers	20	0.27	16	9
General Managers and Top Executives	320	4.30	14	32
All Other Managers and Administrators	180	2.42	na	na
Professional, Paraprofessional, and Technical Occupations	710	9.53	na	na
Underwriters	10	0.13	32	4
Credit Analysts	70	0.94	16	21
Loan Officers and Counselors	280	3.76	15	37
Accountants and Auditors	120	1.61	8	28
All Other Financial Specialists	50	0.67	na	na
Purchasing Agents, except Wholesale, Retail, and Farm Products	10	0.13	18	6
Personnel, Training, and Labor Relations Specialists	10	0.13	13	7
All Other Management Support Workers	20	0.27	na	na
Systems Analysts, Electronic Data Processing	20	0.27	22	6
Computer Programmers	60	0.81	20	10
Computer Programmer Aides	10	0.13	8	4
Financial Analysts	10	0.13	34	6
All Other Mathematical Scientists and Related Workers	20	0.27	na	na
Economists, including Market Research Analysts	10	0.13	30	5
Lawyers	10	0.13	21	7
Sales and Related Occupations	40	0.54	na	na
Clerical and Administrative Support Occupations	5,380	72.21	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	250	3.36	8	28
Tellers	2,230	29.93	3	98
New Accounts Clerks	290	3.89	8	67
Transit Clerks	100	1.34	20	7
Loan Interviewers	40	0.54	13	21
Credit Checkers	40	0.54	18	18
Loan and Credit Clerks	250	3.36	12	43
Adjustment Clerks	190	2.55	43	7
Statement Clerks	120	1.61	11	27
Brokerage Clerks	40	0.54	49	6
Bill and Account Collectors	60	0.81	19	13
Secretaries, except Legal and Medical	300	4.03	7	62
Receptionists and Information Clerks	40	0.54	23	23
Typists	30	0.40	22	10
Typists, Word Processing Equipment	40	0.54	19	12
Personnel Clerks	30	0.40	22	10
File Clerks	90	1.21	13	18
Bookkeeping, Accounting, and Auditing Clerks	280	3.76	10	41
Payroll and Timekeeping Clerks	40	0.54	7	15
General Office Clerks	480	6.44	13	32
Billing, Posting, and Calculating Machine Operators	30	0.40	41	7
Duplicating Machine Operators	10	0.13	17	6
Computer Operators	70	0.94	18	21
Peripheral EDP Equipment Operators	60	0.81	49	5
Data Entry Keyers, except Composing	70	0.94	12	20
All Other Office Machine Operators	10	0.13	na	na
Switchboard Operators	50	0.67	10	32
Mail Clerks, Except Mail Machine Operators and Postal Service	20	0.27	21	10
Messengers	80	1.07	33	23
Stock Clerks, Stockroom, Warehouse, or Storage Yard	20	0.27	19	10
All Other Clerical and Administrative Support Workers	20	0.27	na	na

SIC 60 (continued)

Occupation	Estimated Employ-ment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Service Occupations	140	1.88	na	na
Guards and Watch Guards	10	0.13	40	5
Janitors and Cleaners, except Maids and Housekeeping Cleaners	130	1.74	14	39
Production, Construction, Operating, Maintenance, and Material Handling Occupations	20	0.27	na	na
Maintenance Repairers, General Utility	10	0.13	33	6
All Other Production, Construction, Operating, Maintenance, and Material Handling Occupations	10	0.13	na	na

203j

CREDIT AGENCIES OTHER THAN BANKS

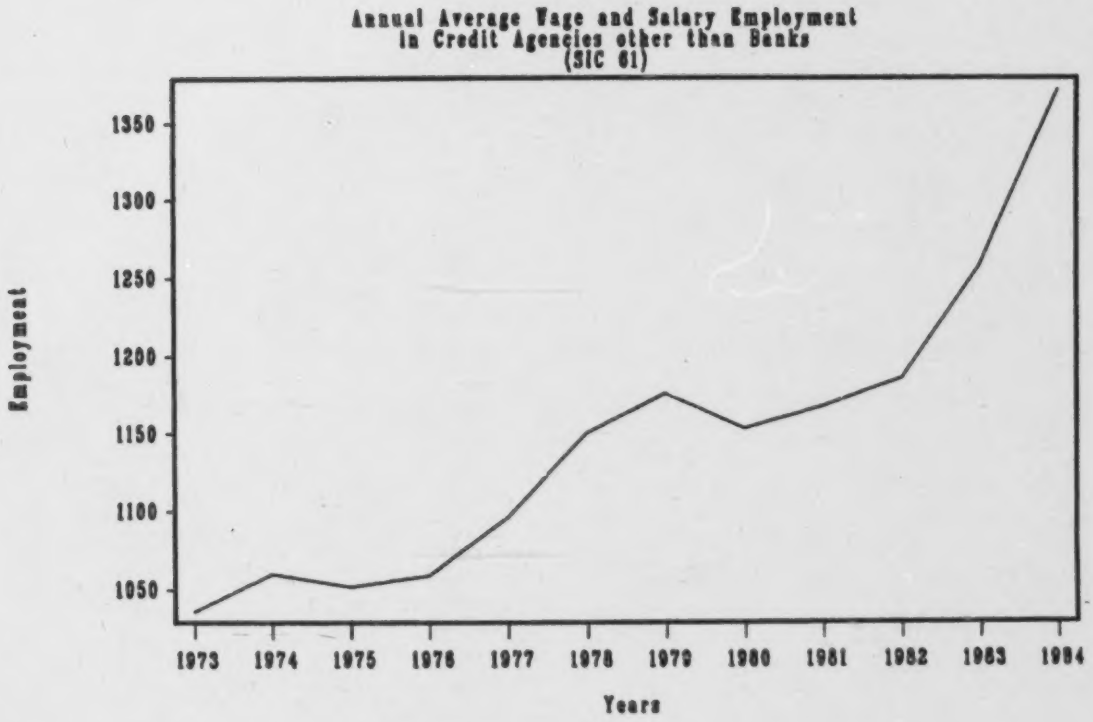
SIC 61

This major group includes establishments engaged in extending credit in the form of loans but not engaged in deposit banking.

Except for two very slight declines, this industry's annual average wage and salary employment has grown fairly steadily over the years from 1,036 workers in 1973 to 1,372 in 1984, exhibiting an overall increase of 32.4 percent. The sharpest rise, 15.8 percent, occurred between 1982 and 1984.

216k

FIGURE 9



SIC 61
May 1984

Twelve Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Tellers	440	32.59
Financial Managers	160	11.85
Loan and Credit Clerks	120	8.89
General Office Clerks	100	7.41
Bookkeeping, Accounting, and Auditing Clerks	80	5.93
Credit Analysts	50	3.70
New Accounts Clerks	40	2.96
Loan Officers and Counselors	30	2.22
Accountants and Auditors	30	2.22
Sales Agents, Securities, Commodities, and Financial Services	30	2.22
Bill and Account Collectors	30	2.22
Secretaries	30	2.22

Ten Occupations Most Frequently Reported by Employers

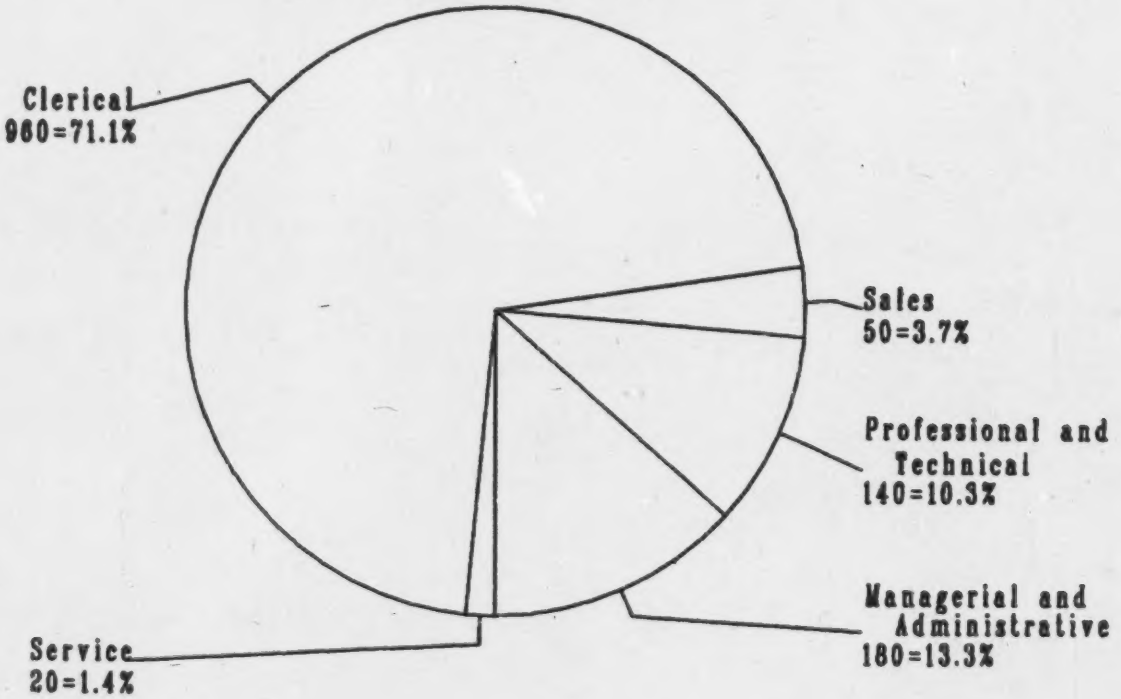
Occupation	Percent of Units Reporting the Occupation
Financial Managers	92
Tellers	86
Loan and Credit Clerks	53
Bookkeeping, Accounting, and Auditing Clerks	51
General Office Clerks	25
Credit Analysts	24
New Accounts Clerks	24
Secretaries	22
Janitors and Cleaners, except Maids and Housekeeping Cleaners	21
Accountants and Auditors	20

222k

FIGURE 10

Percentage of Employment by Major Occupational Categories

for SIC 61 in May 1984



CREDIT AGENCIES OTHER THAN BANKS
SIC 61
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	1,350	100.00	na	na
Managerial and Administrative Occupations	180	13.33	na	na
Financial Managers	160	11.85	4	92
General Managers and Top Executives	10	0.74	29	5
All Other Managers and Administrators	10	0.74	na	na
Professional, Paraprofessional, and Technical Occupations	140	10.37	na	na
Credit Analysts	50	3.70	12	24
Loan Officers and Counselors	30	2.22	31	5
Accountants and Auditors	30	2.22	18	20
All Other Financial Specialists	20	1.48	na	na
All Other Professional, Paraprofessional, and Technical Workers	10	0.74	na	na
Sales and Related Occupations	50	3.70	na	na
Sales Agents, Securities, Commodities, and Financial Services	30	2.22	47	4
All Other Sales and Related Workers	20	1.48	na	na
Clerical and Administrative Support Occupations	960	71.11	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	20	1.48	15	9
Tellers	440	32.59	4	86
New Accounts Clerks	40	2.96	15	24
Credit Checkers	20	1.48	23	12
Loan and Credit Clerks	120	8.89	8	53
Statement Clerks	10	0.74	28	5
Bill and Account Collectors	30	2.22	33	8
Secretaries	30	2.22	16	22
Receptionists and Information Clerks	10	0.74	33	8
Typists	10	0.74	25	8
File Clerks	10	0.74	36	7
Bookkeeping, Accounting, and Auditing Clerks	80	5.93	7	51
Payroll and Timekeeping Clerks	10	0.74	34	5
General Office Clerks	100	7.41	16	25
Computer Operators	10	0.74	28	5
Data Entry Keyers, except Composing	10	0.74	45	5
Switchboard Operators	10	0.74	23	4
Service Occupations	20	1.48	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	20	1.48	15	21

2043

SECURITY AND COMMODITY BROKERS, DEALERS, EXCHANGES, AND SERVICES;
AND HOLDING AND OTHER INVESTMENT OFFICES

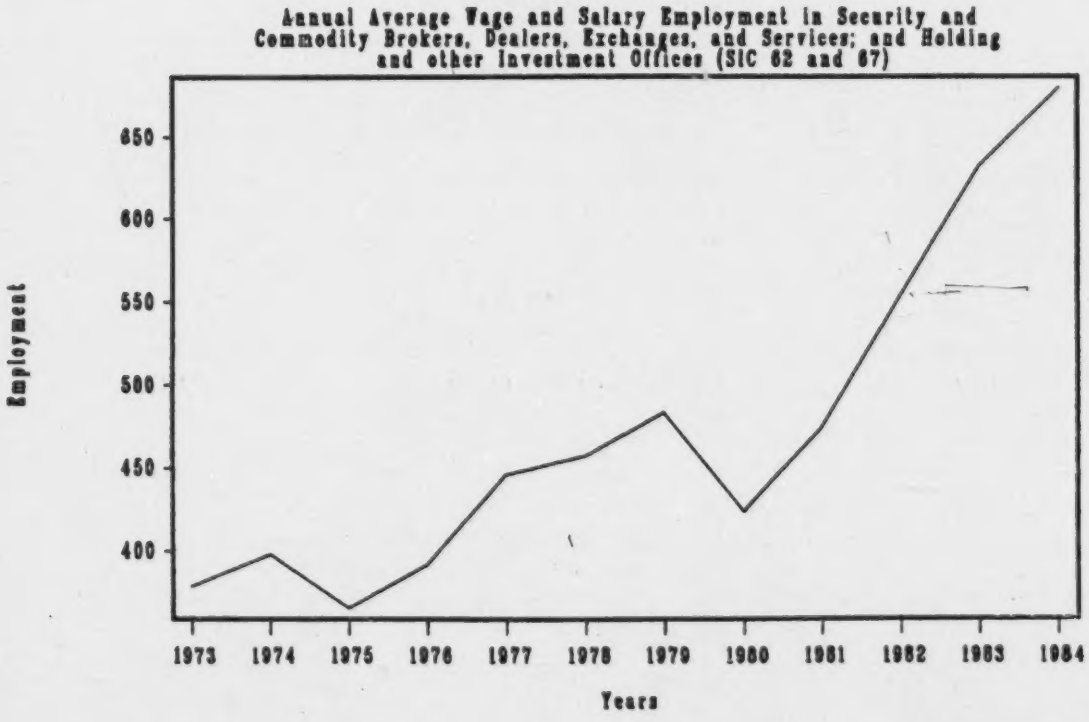
SIC 62 and 67

This combination of major groups includes establishments engaged in the underwriting, purchase, sale, or brokerage of securities and other financial contracts on their own account or for the account of others; exchanges, exchange clearing houses, and other services allied with the exchange of securities and commodities; and investment trusts, investment companies, holding companies, and commodity trading companies.

With the exception of two decreases, 8 percent between 1974 and 1975, and 12.2 percent between 1979 and 1980, the annual average wage and salary employment in this industry increased steadily with an overall increase of 79.4 percent from 379 workers in 1973 to 680 workers in 1984. The sharpest rise occurred between 1980 and 1984 when employment grew by 60.4 percent.

216k

FIGURE 11



SIC 62 and 67
May 1984

Seven Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Sales Agents, Securities, Commodities, and Financial Services	250	37.31
Secretaries	60	8.96
General Office Clerks	60	8.96
Financial Managers	30	4.48
Bookkeeping, Accounting, and Auditing Clerks	30	4.48
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	20	2.99
Brokerage Clerks	20	2.99

Ten Occupations Most Frequently Reported by Employers

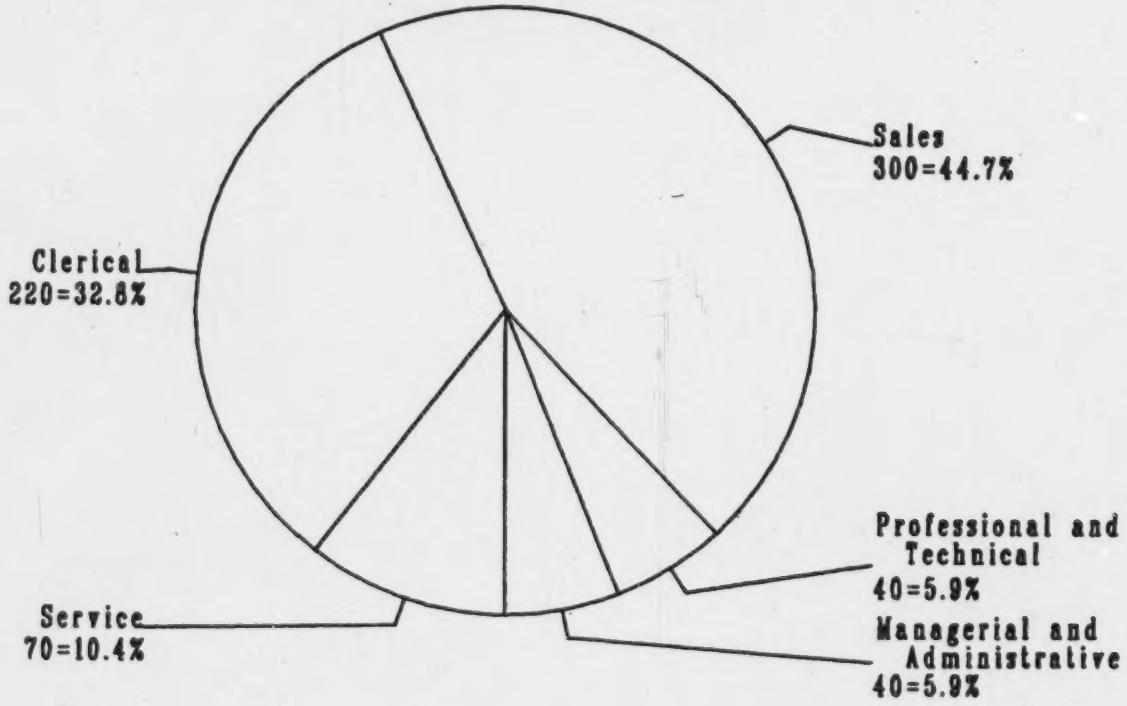
Occupation	Percent of Units Reporting the Occupation
Sales Agents, Securities, Commodities, and Financial Services	63
Secretaries	50
General Office Clerks	40
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	36
Financial Managers	33
Bookkeeping, Accounting, and Auditing Clerks	33
Brokerage Clerks	30
Receptionists and Information Clerks	23
Cashiers	20
Computer Operators, except Peripheral Equipment	13

223k

FIGURE 12

Percentage of Employment by Major Occupational Categories

for SIC 62 and 67 in May 1984



SECURITY AND COMMODITY BROKERS, DEALERS, EXCHANGES, AND
SERVICES; AND HOLDING AND OTHER INVESTMENT OFFICES
SIC 62 and 67
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	670	100.00	na	na
Managerial and Administrative Occupations	40	5.97	na	na
Financial Managers	30	4.48	15	33
All Other Managers and Administrators	10	1.49	na	na
Professional, Paraprofessional, and Technicial Occupations	40	5.97	na	na
Financial Specialists	20	2.99	na	na
Financial Analysts, Statistical	10	1.49	32	10
All Other Professional, Paraprofessional, and Technical Workers	10	1.49	na	na
Sales and Related Occupations	300	44.78	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	20	2.99	26	36
Sales Agents, Securities, Commodities, and Financial Services	250	37.31	9	63
All Other Sales Representatives and Salespersons, Service	20	2.99	na	na
Cashiers	10	1.49	16	20
Clerical and Administrative Support Occupations	220	32.84	na	na
Brokerage Clerks	20	2.99	17	30
Secretaries	60	8.96	13	50
Receptionists and Information Clerks	10	1.49	29	23
Bookkeeping, Accounting, and Auditing Clerks	30	4.48	30	33
General Office Clerks	60	8.96	19	40
Computer Operators, except Peripheral Equipment	10	1.49	24	13
Data Entry Keyers, except Composing	10	1.49	27	10
All Other Clerical and Administrative Support Workers	20	2.99	na	na
Service Occupations	70	10.45	na	na
Food Service Workers	10	1.49	na	na
Cleaning and Building Service Workers, except Private Households	20	2.99	na	na
All Other Service Workers	40	5.97	na	na

205j

INSURANCE

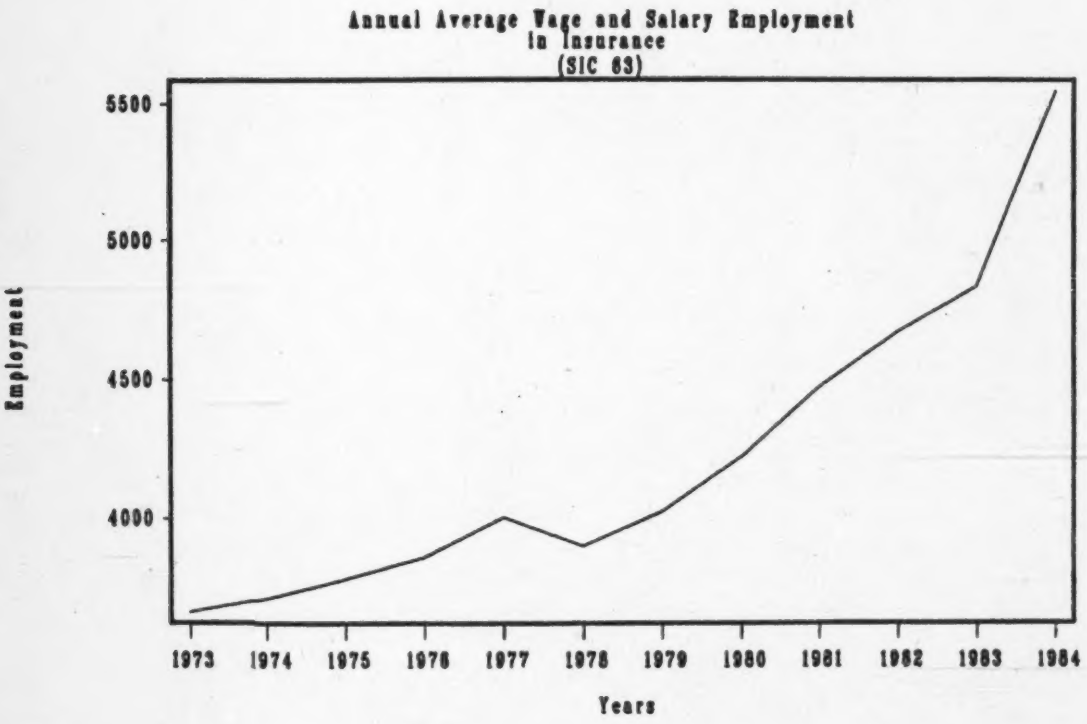
SIC 63

This major group includes insurance carriers of all types.

Other then a slight decline between 1977 and 1978, the annual average wage and salary employment in the insurance industry has experienced continuous growth from 1973 to 1984. Employment rose from 3,666 in 1973 to 5,545 in 1984, an overall increase of 51.3 percent.

216k

FIGURE 13



SIC 63
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Sales Agents and Placers, Insurance	460	9.20
Statistical Clerks	370	7.40
Insurance Adjusters, Examiners, and Investigators	360	7.20
Typists	280	5.60
Billing, Cost, and Rate Clerks	270	5.40
Insurance Claims Clerks	260	5.20
General Office Clerks	250	5.00
Mail Clerks, except Mail Machine Operators and Postal Service	210	4.20
General Managers and Top Executives	200	4.00
Underwriters	200	4.00

Eleven Occupations Most Frequently Reported by Employers

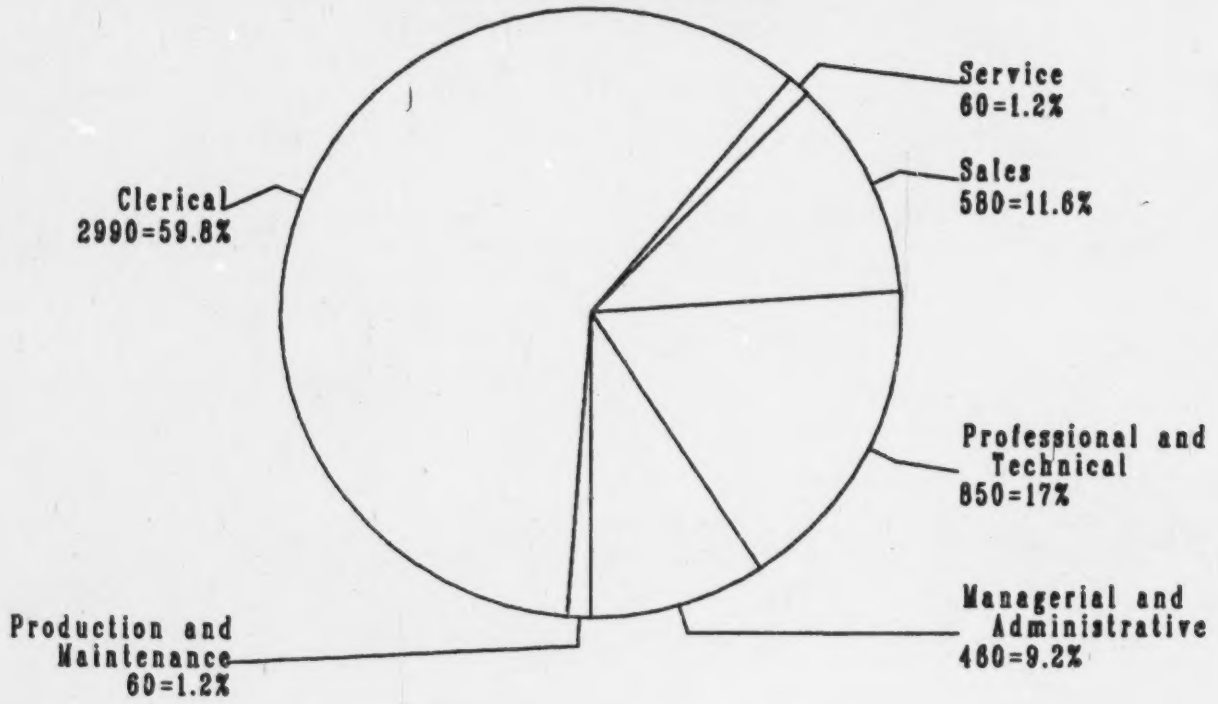
Occupation	Percent of Units Reporting the Occupation
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	55
Sales Agents and Placers, Insurance	55
Secretaries, except Legal and Medical	47
Typists	40
Underwriters	35
Insurance Adjusters, Examiners, and Investigators	35
Special Agents, Insurance	31
Insurance Claims Clerks	29
Insurance Policy Processing Clerks	29
Financial Managers	27
Bookkeeping, Accounting, and Auditing Clerks	27

224k

FIGURE 14

Percentage of Employment by Major Occupational Categories

for SIC 63 in May 1984



INSURANCE
SIC 63
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	5,000	100.00	na	na
Managerial and Administrative Occupations	460	9.20	na	na
Financial Managers	40	0.80	14	27
Marketing, Advertising, and Public Relations Managers	20	0.40	23	7
Administrative Services Managers	10	0.20	18	7
General Managers and Top Executives	200	4.00	6	22
All Other Managers and Administrators	190	3.80	na	na
Professional, Paraprofessional, and Technical Occupations	850	17.00	na	na
Underwriters	200	4.00	5	35
Accountants and Auditors	50	1.00	21	22
All Other Financial Specialists	90	1.80	na	na
Special Agents, Insurance	80	1.60	26	31
Claims Examiners, Property and Casualty Insurance	30	0.60	39	16
All Other Management Support Workers	10	0.20	na	na
Engineers	30	0.60	na	na
Systems Analysts, Electronic Data Processing	140	2.80	1	7
Computer Programmers	90	1.80	4	13
All Mathematical Scientists	80	1.60	na	na
Lawyers	10	0.20	5	5
All Other Professional, Paraprofessional, and Technical Workers	40	0.80	na	na
Sales and Related Occupations	580	11.60	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	120	2.40	12	55
Sales Agents and Placers, Insurance	460	9.20	10	55
Clerical and Administrative Support Occupations	2,990	59.80	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	180	3.60	7	18
Insurance Adjusters, Examiners, and Investigators	360	7.20	7	35
Insurance Appraisers, Auto Damage	10	0.20	36	7
Insurance Claims Clerks	260	5.20	4	29
Insurance Policy Processing Clerks	130	2.60	20	29
Secretaries, except Legal and Medical	110	2.20	12	47
Receptionists and Information Clerks	20	0.40	10	24
Typists	280	5.60	3	40
Typists, Word Processing Equipment	120	2.40	6	15
File Clerks	60	1.20	14	25
Statistical Clerks	370	7.40	0	7
Bookkeeping, Accounting, and Auditing Clerks	50	1.00	7	27
Billing, Cost, and Rate Clerks	270	5.40	3	11
General Office Clerks	250	5.00	8	20
Computer Operators	10	0.20	7	5
Data Entry Keyers, except Composing	60	1.20	6	11
All Other Office Machine Operators	20	0.40	na	na
Switchboard Operators	10	0.20	15	13
Mail Clerks, except Mail Machine Operators and Postal Service	210	4.20	1	15
All Other Clerical and Administrative Support Workers	210	4.20	na	na
Service Occupations	60	1.20	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	40	0.80	3	5
All Other Service Workers	20	0.40	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	60	1.20	na	na

2083

INSURANCE AGENTS, BROKERS, AND SERVICES

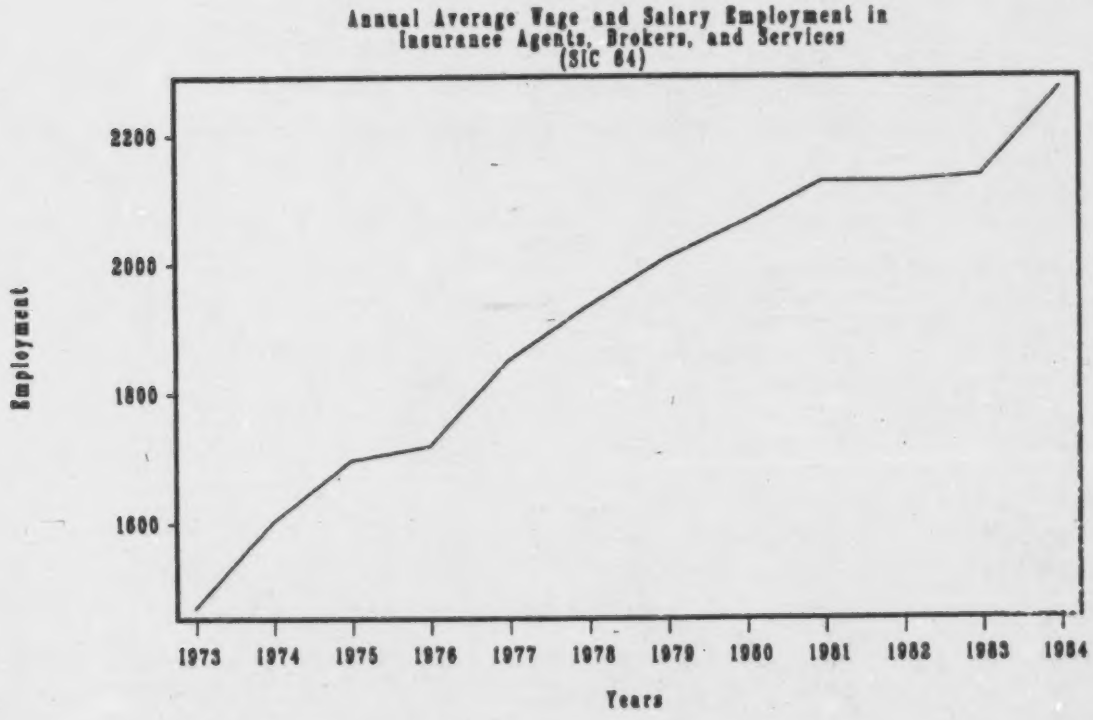
SIC 64

This major group includes agents and brokers dealing in insurance, and also organizations offering services to insurance companies and to policy holders.

The annual average wage and salary employment in this industry has enjoyed a fairly steady, strong rate of growth with the number of workers growing from 1,471 in 1973 to 2,274 in 1984. This represents an overall increase of 54.6 percent. The only exception to this upward trend occurred between 1981 and 1982 when employment held constant at 2,127.

216k

FIGURE 15



SIC 64
May 1984

Eight Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Sales Agents and Placers, Insurance	480	21.24
Insurance Policy Processing Clerks	450	19.91
Insurance Adjusters, Examiners, and Investigators	160	7.08
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	130	5.75
Bookkeeping, Accounting, and Auditing Clerks	110	4.87
Insurance Claims Clerks	100	4.42
Underwriters	90	3.98
General Office Clerks	90	3.98

Ten Occupations Most Frequently Reported by Employers

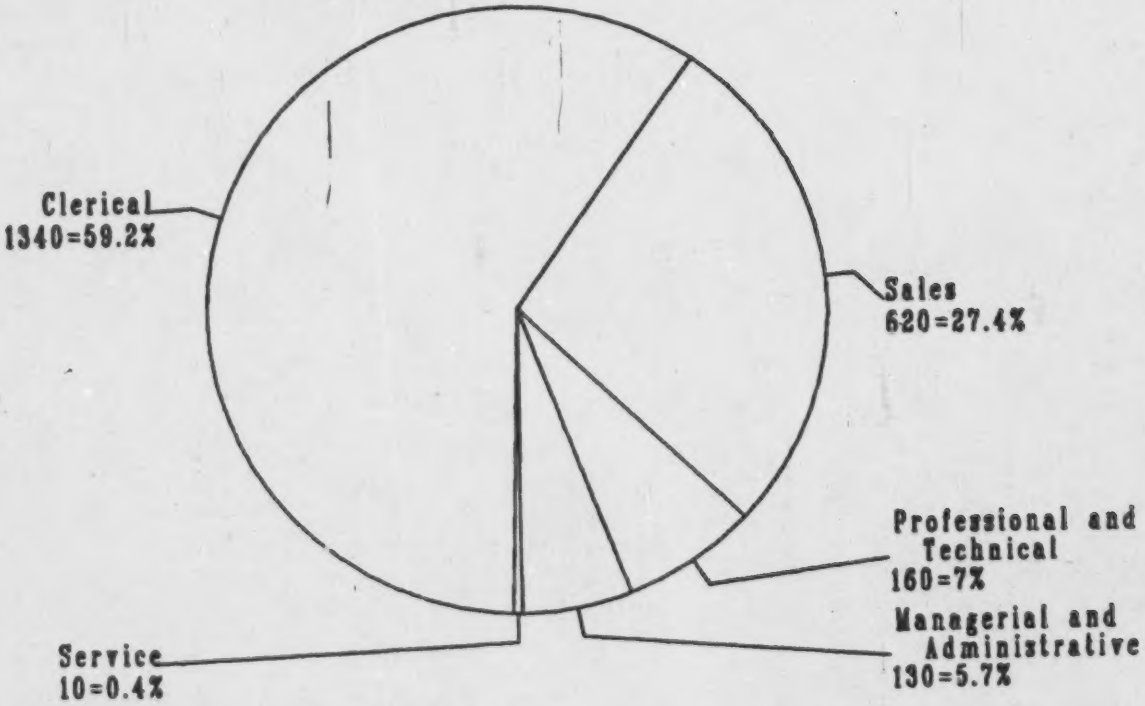
Occupation	Percent of Units Reporting the Occupation
Sales Agents and Placers, Insurance	69
Insurance Policy Processing Clerks	59
Bookkeeping, Accounting, and Auditing Clerks	44
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	35
Insurance Claims Clerks	34
Receptionists and Information Clerks	22
Financial Managers	20
General Office Clerks	18
Underwriters	17
File Clerks	17

225k

FIGURE 16

Percentage of Employment by Major Occupational Categories

for SIC 64 in May 1984



INSURANCE AGENTS, BROKERS, AND SERVICE
SIC 64
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	2,260	100.00	na	na
Managerial and Administrative Occupations	130	5.75	na	na
Financial Managers	50	2.21	19	20
General Managers and Top Executives	50	2.21	14	16
All Other Managers and Administrators	30	1.33	na	na
Professional, Paraprofessional, and Technical Occupations	160	7.08	na	na
Underwriters	90	3.98	21	17
Accountants and Auditors	10	0.44	28	6
Special Agents, Insurance	30	1.33	36	5
All Other Professional, Paraprofessional, and Technical Workers	30	1.33	na	na
Sales and Related Occupations	620	27.43	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	130	5.75	12	35
Sales Agents and Placers, Insurance	480	21.24	6	69
All Other Sales and Related Workers	10	0.44	na	na
Clerical and Administrative Support Occupations	1,340	59.29	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	20	0.88	25	6
Insurance Adjusters, Examiners, and Investigators	160	7.08	20	15
Insurance Claims Clerks	100	4.42	11	34
Insurance Policy Processing Clerks	450	19.91	7	59
Secretaries, except Legal and Medical	160	7.08	na	na
Receptionists and Information Clerks	50	2.21	15	22
Typists	50	2.21	19	13
Typists, Word Processing Equipment	20	0.88	19	8
File Clerks	50	2.21	16	17
Bookkeeping, Accounting, and Auditing Clerks	110	4.87	9	44
Payroll and Timekeeping Clerks	10	0.44	37	6
Billing, Cost, and Rate Clerks	30	1.33	35	3
General Office Clerks	90	3.98	18	18
Data Entry Keyers, except Composing	20	0.88	22	3
Switchboard Operators	10	0.44	21	7
Mail Clerks, except Mail Machine Operators and Postal Service	10	0.44	44	4
Service Occupations	10	0.44	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	10	0.44	35	6

214j

REAL ESTATE AND COMBINATIONS OF REAL ESTATE, INSURANCE, LOANS, AND LAW OFFICES

SIC 65 and 66

This combination of major groups includes real estate operators, and owners and lessors of real property, as well as buyers, sellers, developers, agents, and brokers; and establishments not classifiable on the basis of predominant nature of business, generally small in size, which are regularly engaged in any combination of real estate, insurance, loans, or the practice of law.

During the period 1973 to 1984, the annual average wage and salary employment in this industry reached a low of 1,712 workers in 1975, a decline of 12.9 percent from the preceeding year. An employment growth of 18.7 percent was seen from 1975 to 1979. Following a decrease of 9.8 percent between 1979 and 1980, a significant increase of 22.4 percent was evidenced from 1980 to 1984, bringing the employment level to a high of 2,243.

217k

FIGURE 17

SIC 65 and 66
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Maintenance Repairers, General Utility	340	15.11
Gardeners and Groundskeepers, except Farm	270	12.00
Secretaries, except Legal and Medical	180	8.00
Janitors and Cleaners, except Maids and Housekeeping Cleaners	160	7.11
Bookkeeping, Accounting, and Auditing Clerks	120	5.33
Brokers, Real Estate	110	4.89
Sales Agents, Real Estate	100	4.44
General Office Clerks	100	4.44
Financial Managers	90	4.00
First Line Supersivors and Manager/Supervisors, Sales and Related Occupations	80	3.56

Ten Occupations Most Frequently Reported by Employers

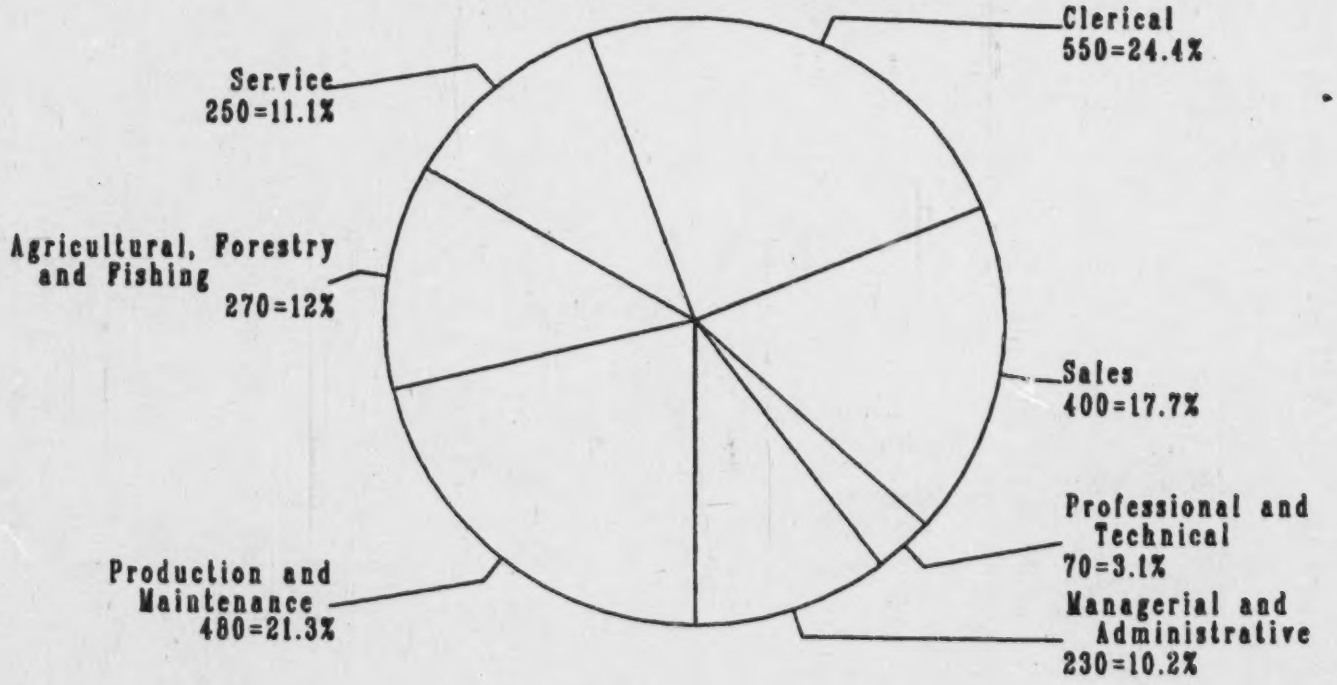
Occupation	Percent of Units Reporting the Occupation
Maintenance Repairers, General Utility	43
Bookkeeping, Accounting, and Auditing Clerks	42
Secretaries, except Legal and Medical	40
Gardeners and Groundskeepers, except Farm	28
General Office Clerks	27
Financial Managers	26
Janitors and Cleaners, except Maids and Housekeeping Cleaners	26
Brokers, Real Estate	23
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	21
General Managers and Top Executives	17

226k

FIGURE 18

Percentage of Employment by Major Occupational Categories

for SIC 65 and 66 in May 1984



REAL ESTATE AND COMBINATIONS OF REAL ESTATE, INSURANCE,
LOANS, AND LAW OFFICES
SIC 65 AND 66
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	2,250	100.00	na	na
Managerial and Administrative Occupations	230	10.22	na	na
Financial Managers	90	4.00	14	26
Food Service and Lodging Managers	20	0.89	28	6
General Managers and Top Executives	60	2.67	16	17
All Other Managers and Administrators	60	2.67	na	na
Professional, Paraprofessional, and Technical Occupations	70	3.11	na	na
Underwriters	20	0.89	16	5
Accountants and Auditors	20	0.89	25	6
Title Examiners and Abstractors	20	0.89	10	2
All Other Legal Assistants and Technicians, except Clerical	10	0.44	na	na
Sales and Related Occupations	400	17.78	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	80	3.56	16	21
Sales Agents and Placers, Insurance	50	2.22	8	14
Brokers, Real Estate	110	4.89	15	23
Sales Agents, Real Estate	100	4.44	24	13
Appraisers, Real Estate	50	2.22	38	4
All Other Sales and Related Workers	10	0.44	na	na
Clerical and Administrative Support Occupations	550	24.44	na	na
Real Estate Clerks	60	2.67	20	11
Secretaries, except Legal and Medical	180	8.00	11	40
Receptionists and Information Clerks	50	2.22	22	13
Typists	10	0.44	28	6
Bookkeeping, Accounting, and Auditing Clerks	120	5.33	9	42
General Office Clerks	100	4.44	11	27
Switchboard Operators	10	0.44	35	3
All Other Clerical and Administrative Support Workers	20	0.89	na	na
Service Occupations	250	11.11	na	na
Guards and Watch Guards	40	1.78	19	6
Food Service Workers	20	0.89	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	160	7.11	13	26
All Other Cleaning and Building Service Workers, except Private Households.	20	0.89	na	na
All Other Service Occupations	10	0.44	na	na
Agricultural, Forestry, Fishing, and Related Occupations	270	12.00	na	na
Gardeners and Groundskeepers, except Farm	270	12.00	8	28
Production, Construction, Operating, Maintenance, and Material Handling Occupations	480	21.33	na	na
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	10	0.44	39	2
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	30	1.33	na	na
Maintenance Repairers, General Utility	340	15.11	9	43
Carpenters	40	1.78	28	7
Painters and Paperhangers, Construction and Maintenance	50	2.22	23	9
Motor Vehicle Operators	10	0.44	na	na

2093

HOTELS, ROOMING HOUSES, CAMPS, AND OTHER LODGING PLACES

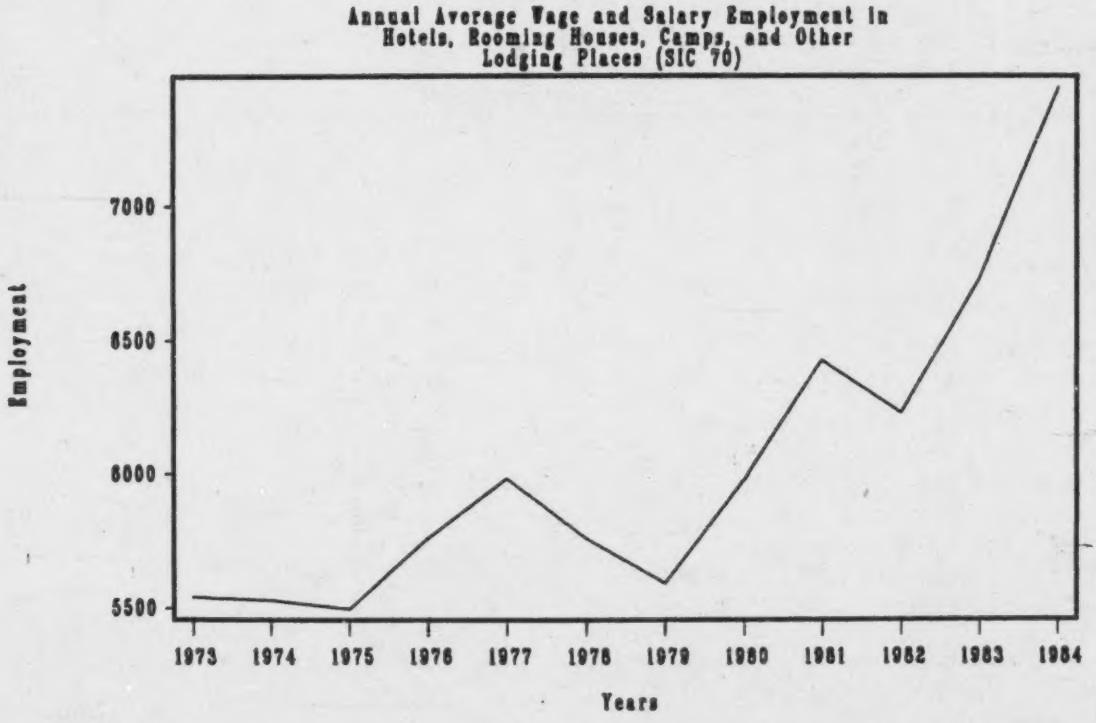
SIC 70

This major group includes commercial and institutional establishments engaged in furnishing lodging, or lodging and meals, and camping space and camping facilities, on a fee basis.

This industry recorded an increase in the annual average wage and salary employment of 8.8 percent between 1975 and 1977. Employment then declined by 6.5 percent from 1977 to 1979. Since then, employment has increased sharply, with the exclusion of a slight drop between 1981 and 1982. Employment reached a record high of 7,451 workers in 1984, a 33.2 percent gain over the employment of 5,594 workers in 1979.

217k

FIGURE 19



SIC 70
May 1984

Twelve Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Maids and Housekeeping Cleaners	1,640	24.77
Waiters and Waitresses	920	13.90
Hotel Desk Clerks	610	9.21
Maintenance Repairers, General Utility	380	5.74
Cooks, Restaurant	340	5.14
Bartenders	320	4.83
Food Service and Lodging Managers	220	3.32
Housekeepers	200	3.02
Food Preparation Workers	170	2.57
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	140	2.11
Janitors and Cleaners, except Maids and Housekeeping Cleaners	140	2.11
Laundry and Drycleaning Machine Operators and Tenders, except Pressing	140	2.11

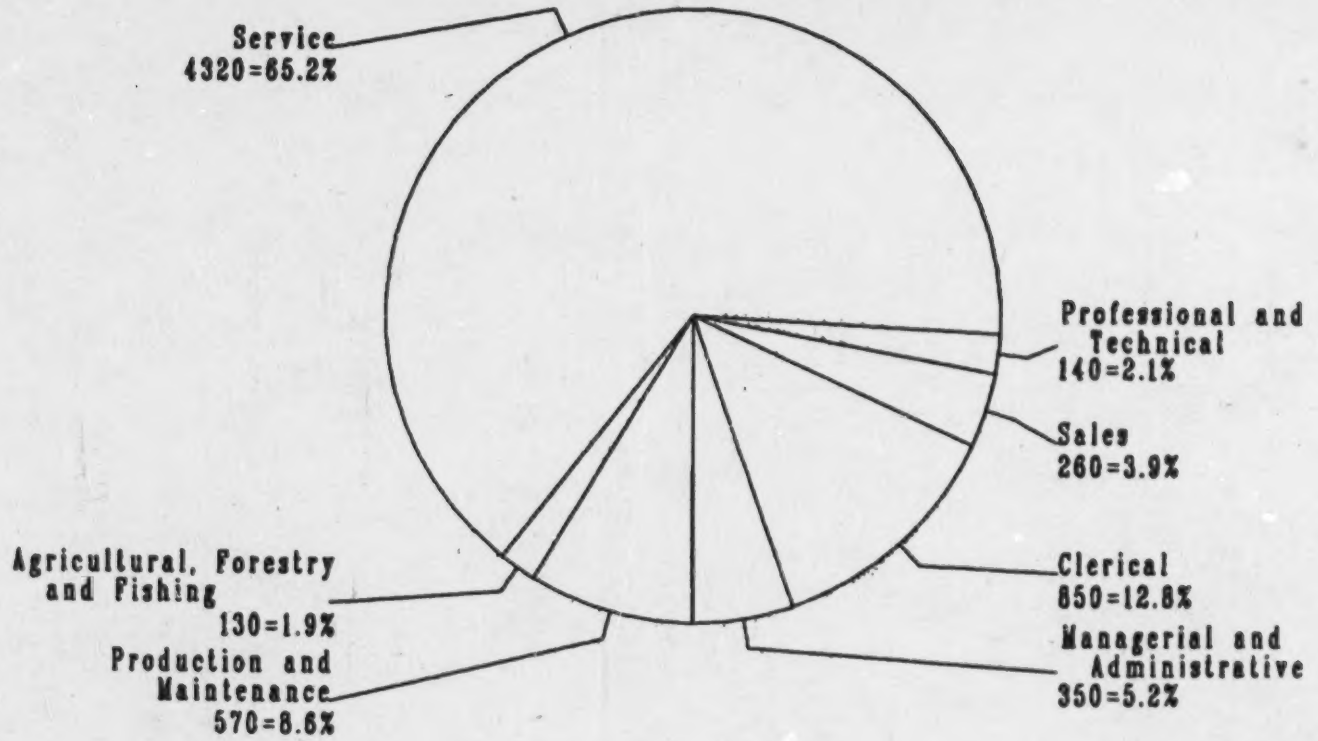
Ten Occupations Most Frequently Reported by Employers

Occupation	Percent of Units Reporting the Occupation
Maids and Housekeeping Cleaners	76
Hotel Desk Clerks	61
Maintenance Repairers, General Utility	59
Housekeepers	52
Waiters and Waitresses	48
Food Service and Lodging Managers	43
Cooks, Restaurant	43
Bartenders	39
General Managers and Top Executives	31
Janitors and Cleaners, except Maids and Housekeeping Cleaners	31

227k

FIGURE 20

Percentage of Employment by Major Occupational Categories for SIC 70 in May 1984



HOTELS, ROOMING HOUSES, CAMPS, AND OTHER LODGING PLACES
SIC 70
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	6,620	100.00	na	na
Managerial and Administrative Occupations	350	5.29	na	na
Financial Managers	60	0.91	36	26
Food Service and Lodging Managers	220	3.32	30	43
General Managers and Top Executives	60	0.91	33	31
All Other Managers and Administrators	10	0.15	na	na
Professional, Paraprofessional, and Technical Occupations	140	2.11	na	na
Accountants and Auditors	40	0.60	49	13
Recreation Workers	80	1.21	30	13
All Other Professional, Paraprofessional, and Technical Workers	20	0.30	na	na
Sales and Related Occupations	260	3.93	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	140	2.11	37	20
Sales Agents, Selected Business Services	20	0.30	27	2
All Other Sales Representatives and Salespersons, Service	10	0.15	na	na
Cashiers	60	0.91	26	13
All Other Sales and Related Workers	30	0.45	na	na
Clerical and Administrative Support Occupations	850	12.84	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	10	0.15	25	11
Hotel Desk Clerks	610	9.21	12	61
Secretaries	90	1.36	28	30
Bookkeeping, Accounting, and Auditing Clerks	50	0.76	36	22
General Office Clerks	10	0.15	43	9
All Other Clerical and Administrative Support Workers	80	1.21	na	na
Service Occupations	4,320	65.26	na	na
Housekeepers	200	3.02	39	52
All Other Service Supervisors and Manager/Supervisors	10	0.15	44	6
Protective Service Workers	60	0.91	na	na
Hosts and Hostesses, Restaurant, Lounge, or Coffee Shop	100	1.51	12	28
Bartenders	320	4.83	26	39
Waiters and Waitresses	920	13.90	13	48
Food Server, Outside	30	0.45	28	6
Dining Room and Cafeteria Attendants, and Bartender Helpers	100	1.51	24	20
Cooks, Restaurant	340	5.14	19	43
Cooks, Institution or Cafeteria	20	0.30	35	13
Food Preparation Workers	170	2.57	30	28
All Other Food Service Workers	100	1.51	na	na
Maids and Housekeeping Cleaners	1,640	24.77	13	76
Janitors and Cleaners, except Maids and Housekeeping Cleaners	140	2.11	23	31
All Other Cleaning and Building Service Workers, except Private Households.	60	0.91	na	na
Baggage Porters and Bellhops	60	0.91	38	11
All Other Service Workers	50	0.76	na	na
Agricultural, Forestry, Fishing, and Related Occupations	130	1.96	na	na
Gardeners and Groundskeepers, except Farm	130	1.96	34	22
Production, Construction, Operating, Maintenance, and Material Handling Occupations	570	8.61	na	na
First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	0.15	48	6
Maintenance Repairers, General Utility	380	5.74	19	59
All Other Mechanics, Installers, and Repairers	20	0.30	na	na
Construction Trades Workers	10	0.15	na	na
Laundry and Drycleaning Machine Operators and Tenders, except Pressing	140	2.11	28	24
All Other Helpers, Laborers, and Material Movers, Hand	10	0.15	na	na

PERSONAL SERVICES

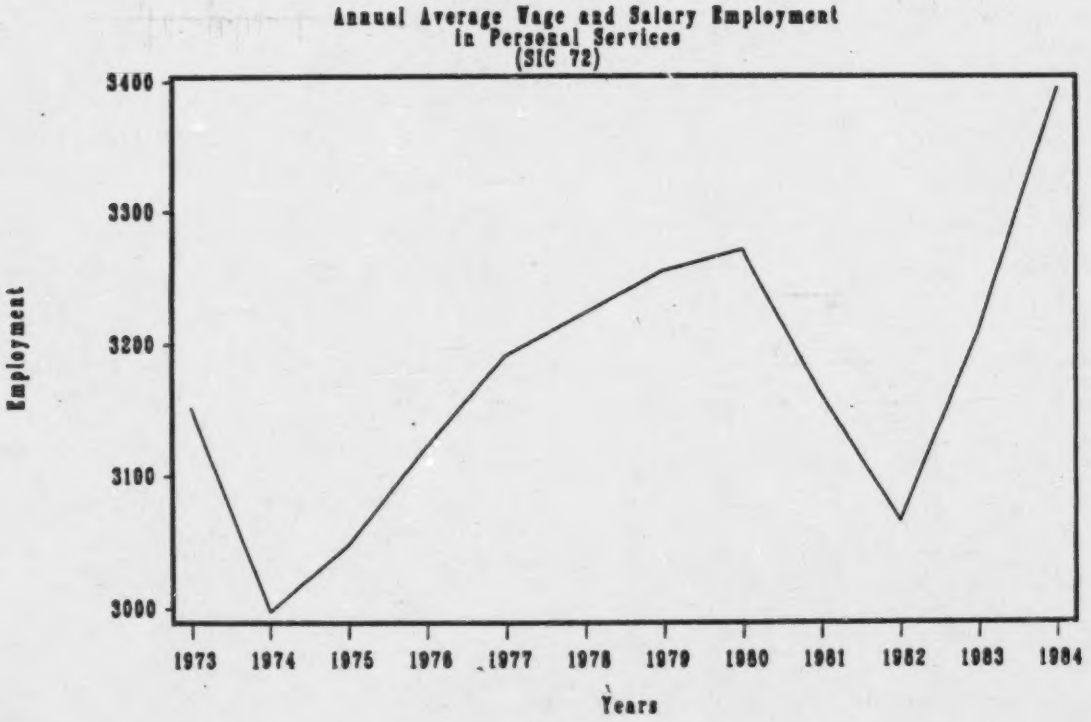
SIC 72

This major group includes establishments primarily engaged in providing services generally involving the care of the person or his apparel, such as laundries, dry cleaning plants, portrait photographic studios, and beauty and barber shops.

This industry experienced a fairly steady increase of 9.1 percent in its annual average wage and salary employment from 1974 to 1980. A decrease of 6.3 percent was seen between 1980 and 1982. Since then, employment has grown by 9.7 percent with the number of workers reaching a high of 3,395 in 1984.

217k

FIGURE 21



SIC 72
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Hairdressers, Hairstylists, and Cosmetologists...	840	25.30
Counter and Rental Clerks.....	210	6.33
Receptionists and Information Clerks.....	190	5.72
Instructors and Coaches, Sports and Physical Training.....	180	5.42
Machine Feeders and Offbearers.....	180	5.42
Laundry and Drycleaning Machine Operators and Tenders, except Pressing.....	160	4.82
Funeral Directors and Morticians.....	120	3.61
Pressing Machine Operators and Tenders, Textile, Garment, and Related Materials.....	120	3.61
Janitors and Cleaners, except Maids and Housekeeping Cleaners.....	100	3.01
Lecturers.....	80	2.41

Eleven Occupations Most Frequently Reported by Employers

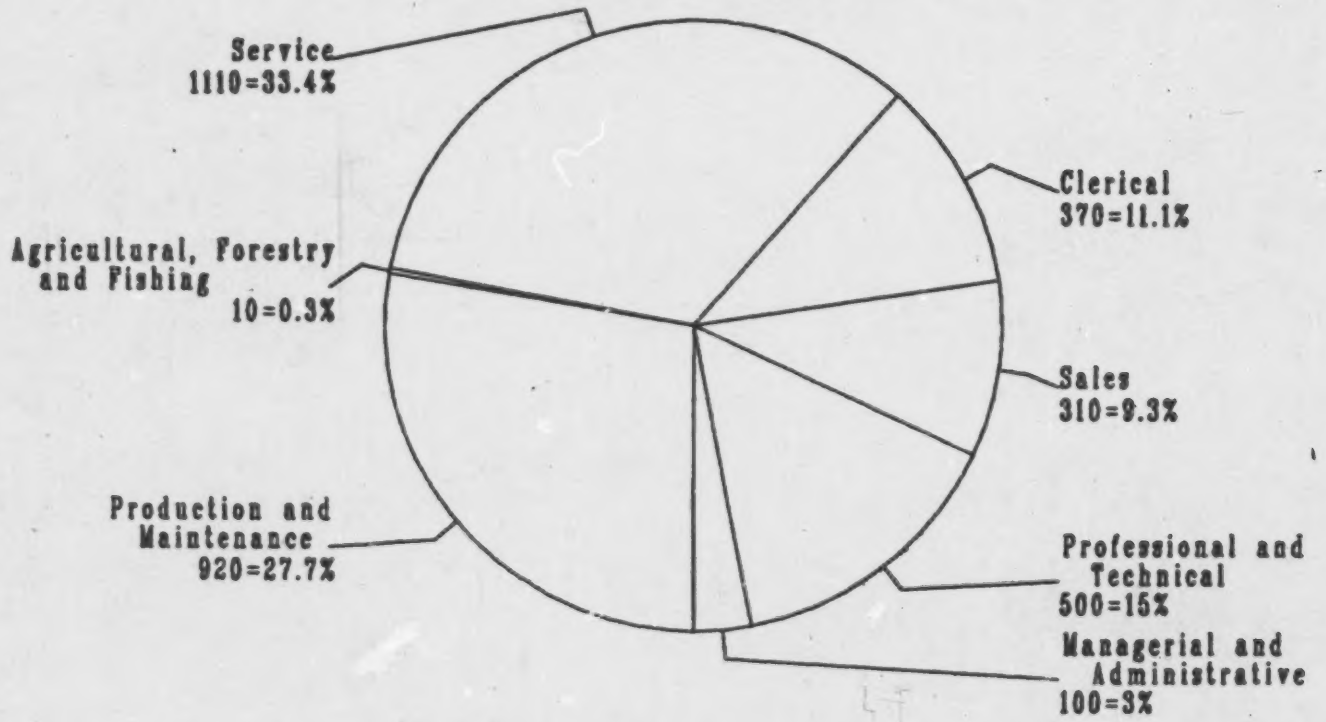
Occupation	Percent of Units Reporting the Occupation
Hairdressers, Hairstylists, and Cosmetologists.....	43
Funeral Directors and Morticians.....	18
Receptionists and Information Clerks.....	18
Secretaries.....	16
Bookkeeping, Accounting, and Auditing Clerks.....	16
Pressing Machine Operators and Tenders, Textile, Garment, and Related Materials.....	14
Laundry and Drycleaning Machine Operators and Tenders, except Pressing.....	13
Counter and Rental Clerks.....	12
Janitors and Cleaners, except Maids and Housekeeping Cleaners.....	12
General Office Clerks.....	11
Funeral Attendants.....	11

228k

FIGURE 22

Percentage of Employment by Major Occupational Categories

for SIC 72 in May 1984



PERSONAL SERVICES
SIC 72
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	3,320	100.00	na	na
Managerial and Administrative Occupations	100	3.01	na	na
Financial Managers	30	0.90	28	9
General Managers and Top Executives	30	0.90	13	9
All Other Managers and Administrators	40	1.20	na	na
Professional, Paraprofessional, and Technical Occupations	500	15.06	na	na
Accountants and Auditors	10	0.30	30	4
Lecturers	80	2.41	5	3
Instructors and Coaches, Sports and Physical Training	180	5.42	15	7
All Other Teachers and Instructors	30	0.90	na	na
Photographers	20	0.60	29	3
Funeral Directors and Morticians	120	3.61	7	18
Embalmers	10	0.30	25	4
All Other Professional, Paraprofessional, and Technical Workers	50	1.51	na	na
Sales and Related Occupations	310	9.34	na	na
Sales Representatives, except Scientific and Related Products or Services and Retail	50	1.51	38	5
Counter and Rental Clerks	210	6.33	19	12
Cashiers	40	1.20	38	3
All Other Sales and Related Workers	10	0.30	na	na
Clerical and Adminstrative Support Occupations	370	11.14	na	na
Secretaries	50	1.51	18	16
Receptionists and Information Clerks	190	5.72	4	18
Order Clerks	30	0.90	8	3
Bookkeeping, Accounting, and Auditing Clerks	50	1.51	16	16
General Office Clerks	40	1.20	20	11
All Other Clerical and Administrative Support Workers	10	0.30	na	na
Service Occupations	1,110	33.43	na	na
First Line Supervisors and Manager/Supervisors, Service	40	1.20	27	5
Maids and Housekeeping Cleaners	20	0.60	24	5
Janitors and Cleaners, except Maids and Housekeeping Cleaners	100	3.01	25	12
Barbers	30	0.90	23	4
Hairdressers, Hairstylists, and Cosmetologists	840	25.30	2	43
Funeral Attendants	60	1.81	12	11
All Other Service Workers	20	0.60	na	na
Agricultural, Forestry, Fishing, and Related Occupations	10	0.30	na	na
Gardeners and Groundskeepers, except Farm	10	0.30	32	3
Production, Construction, Operating, Maintenance, and Material Handling Occupations	920	27.71	na	na
First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	0.30	na	na
Production Inspectors, Testers, Graders, Sorters, Samplers, and Weighers	10	0.30	17	3
Maintenance Repairers, General Utility	40	1.20	24	8
Automotive Mechanics	10	0.30	18	2
Menders	10	0.30	13	3
Custom Tailors and Sewers	30	0.90	32	5
Spotters, Dry Cleaning	70	2.11	19	10
Pressers, Delicate Fabrics	70	2.11	21	9
All Other Precision Workers	20	0.60	na	na
Laundry and Drycleaning Machine Operators and Tenders, except Pressing	160	4.82	24	13
Pressing Machine Operators and Tenders, Textiles, Garment, and Related Materials	120	3.61	17	14
All Other Machine Operators and Tenders	10	0.30	na	na
Hand Workers	10	0.30	39	2
Truck Drivers, Light, including Delivery and Route Workers	20	0.60	39	5
Taxi Drivers and Chauffeurs	10	0.30	47	2
Driver/Sales Workers	70	2.11	17	6
Machine Feeders and Offbearers	180	5.42	32	4
All Other Helpers, Laborers, and Material Movers, Hand	70	2.11	na	na

BUSINESS SERVICES

SIC 73

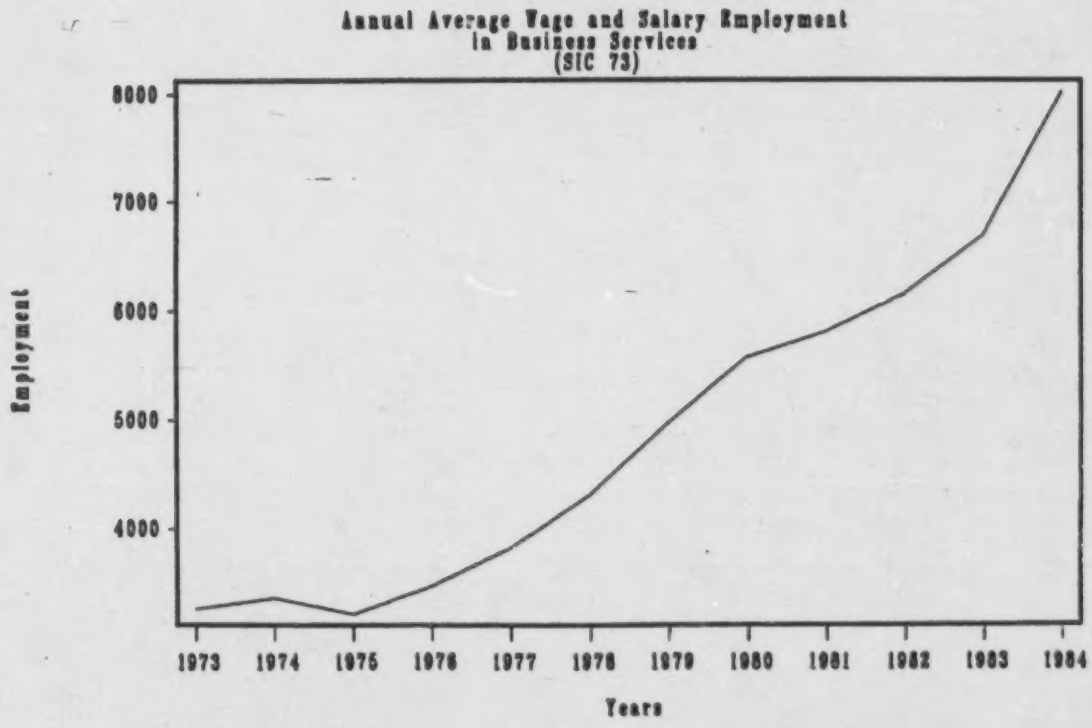
This major group includes establishments primarily engaged in rendering services, not elsewhere classified, to business establishments on a fee or contract basis, such as advertising and mailing services; building maintenance services; employment service; management and consulting services; protective services; equipment rental and leasing (except finance leasing); commercial research, development, and testing; photofinishing; and personnel supply services.

The business services industry has experienced phenomenal growth in its annual average wage and salary employment since 1975. Employment rose from 3,224 in 1975 to 8,025 in 1984, an overall increase of 148.9 percent.

Major contributors to this rapid growth are firms which provide protective services; cleaning and maintenance services; personnel supply services, especially temporary help services; computer and data processing services; and miscellaneous business services such as inventory control and press clipping services.

217k

FIGURE 23



SIC 73
June 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Guards and Watch Guards	1,090	13.44
Janitors and Cleaners, except Maids and Housekeeping Cleaners	1,080	13.32
General Office Clerks	300	3.70
General Managers and Top Executives	290	3.58
Bookkeeping, Accounting, and Auditing Clerks	260	3.21
Secretaries	250	3.08
Maids and Housekeeping Cleaners	190	2.34
Photographic Processing Machine Operators and Tenders	180	2.22
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support	150	1.85
Typists	130	1.60

Ten Occupations Most Frequently Reported by Employers

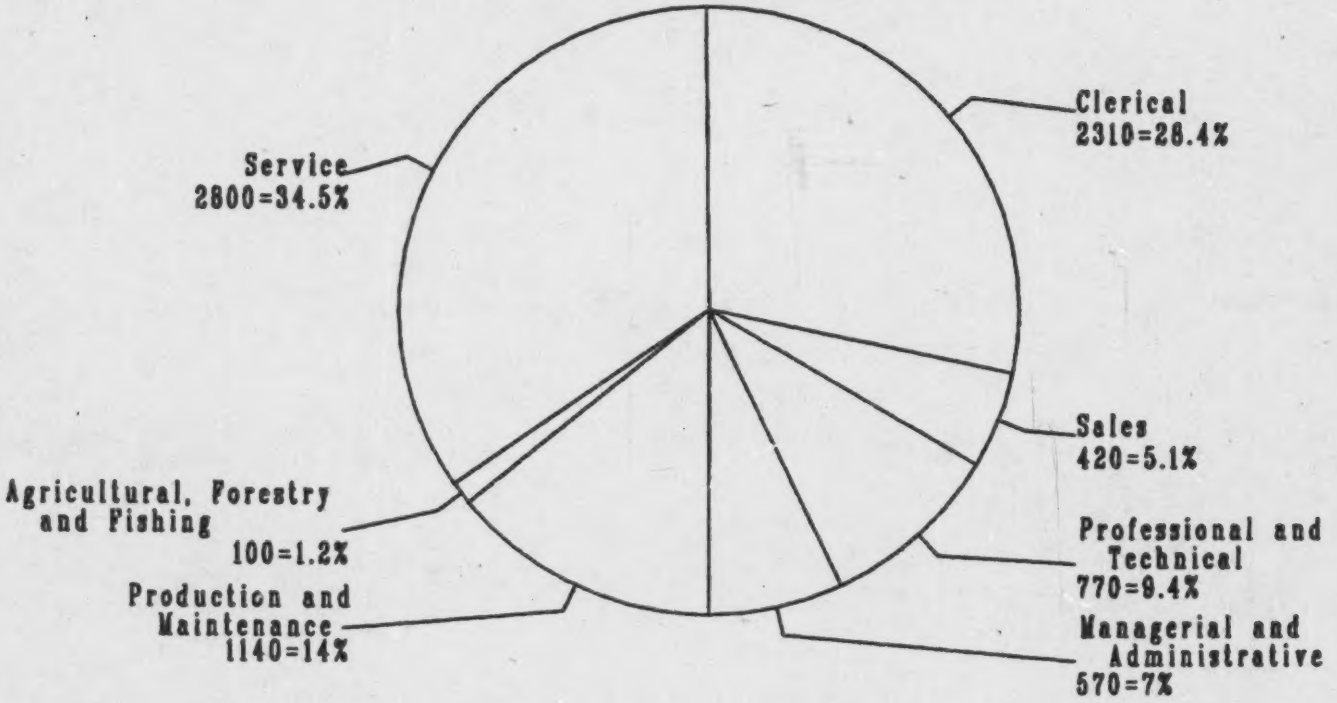
Occupation	Percent of Units Reporting the Occupation
Secretaries	34
General Managers and Top Executives	32
Janitors and Cleaners, except Maids and Housekeeping Cleaners	26
General Office Clerks	24
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support	23
Financial Managers	21
Bookkeeping, Accounting, and Auditing Clerks	21
Marketing, Advertising, and Public Relations Managers	13
Guards and Watch Guards	13
Sales Agents, Selected Business Services	12

229k

FIGURE 24

Percentage of Employment by Major Occupational Categories

for SIC 73 in June 1984



BUSINESS SERVICES
SIC 73
June 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	8,110	100.00	na	na
Managerial and Administrative Occupations	570	7.03	na	na
Financial Managers	90	1.11	19	21
Personnel, Training, and Labor Relations Managers	30	0.37	26	6
Marketing, Advertising, and Public Relations Managers	80	0.99	26	13
Administrative Service Managers	20	0.25	31	6
General Managers and Top Executives	290	3.58	14	32
All Other Managers and Administrators	60	0.74	na	na
Professional, Paraprofessional, and Technical Occupations	770	9.49	na	na
Accountants and Auditors	40	0.49	14	9
All Other Financial Specialists	30	0.37	na	na
Purchasing Agents, except Wholesale, Retail, and Farm Products	10	0.12	25	3
Employment Interviewers, Private or Public Employment Service	70	0.86	32	6
Personnel, Training, and Labor Relations Specialists	10	0.12	30	2
All Other Management Support Workers	30	0.37	na	na
Engineers	40	0.49	na	na
Engineering and Related Technicians and Technologists	60	0.74	na	na
Physical Scientists	40	0.49	na	na
Physical and Life Science Technicians and Technologists	10	0.12	na	na
Health Professionals, Paraprofessionals, and Technicians	70	0.86	na	na
Writers and Editors	50	0.62	28	4
Artists and Related Workers	40	0.49	25	5
Designers, Except Interior Designers	80	0.99	34	6
All Other Professional, Paraprofessional, and Technical Workers	190	2.34	na	na
Sales and Related Occupations	420	5.18	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	50	0.62	27	9
Sales Agents, Selected Business Services	90	1.11	25	12
All Other Sales Representatives and Salespersons, Service	40	0.49	na	na
Sales Representatives, except Scientific and Related Products or Services and Retail	20	0.25	17	3
All Other Sales and Related Workers	220	2.71	na	na
Clerical and Administrative Support Occupations	2,310	28.48	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support	150	1.85	16	23
Bill and Account Collectors	70	0.86	21	7
Secretaries	250	3.08	16	34
Stenographers	40	0.49	24	2
Receptionists and Information Clerks	70	0.86	12	10
Typists	130	1.60	29	6
Typists, Word Processing Equipment	40	0.49	27	6
File Clerks	40	0.49	14	6
Bookkeeping, Accounting, and Auditing Clerks	260	3.21	9	21
Payroll and Timekeeping Clerks	40	0.49	28	6
General Office Clerks	300	3.70	24	24
Computer Operators	50	0.62	13	8
Data Entry Keyers	110	1.36	12	7
All Other Office Machine Operators	190	2.34	na	na
Communications Equipment Operators	70	0.86	na	na
Mail Clerks, Except Mail Machine Operators and Postal Service	30	0.37	18	3
Production, Planning, and Expediting Clerks	50	0.62	22	4
Traffic, Shipping, and Receiving Clerks	10	0.12	34	2
All Other Material Recording, Scheduling, and Distributing Workers	20	0.25	na	na
All Other Clerical and Administrative Support Workers	390	4.81	na	na

SIC 73 (continued)

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Service Occupations	2,800	34.53	na	na
Service Supervisors and Manager/Supervisors	180	2.22	na	na
Guards and Watch Guards	1,090	13.44	12	13
All Other Protective Service Workers	20	0.25	na	na
Food and Beverage Preparations and Service Occupations	90	1.11	31	4
Maids and Housekeeping Cleaners	190	2.34	23	8
Janitors and Cleaners, except Maids and Housekeeping Cleaners	1,080	13.32	10	26
All Other Cleaning and Building Service Workers, except Private Households	60	0.74	na	na
All Other Service Workers	90	1.11	na	na
Agricultural, Forestry, Fishing, and Related Occupations	100	1.23	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	1,140	14.06	na	na
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	10	0.12	31	3
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	20	0.25	na	na
Inspectors and Related Occupations	10	0.12	na	na
Electrical and Electronic Equipment Mechanics, Installers, and Repairers	80	0.99	na	na
All Other Mechanics, Installers, and Repairers	160	1.97	na	na
Construction and Extractive Workers, except Helpers	100	1.23	na	na
Precision Production Workers	20	0.25	na	na
Printing Press Machine Operators and Tenders	20	0.25	31	4
All Other Printing, Binding, and Related Machine Operators and Tenders	10	0.12	na	na
Photographic Processing Machine Operators and Tenders	180	2.22	22	3
Machine Setters, Setup Operators, Operators, and Tenders, except Metal and Plastic	40	0.49	na	na
Hand Working Occupations, including Assemblers and Fabricators	90	1.11	na	na
Truck Drivers, Light, including Delivery and Route Workers	110	1.36	23	6
All Other Motor Vehicle Operators	10	0.12	na	na
Helpers, Laborers, and Material Movers, Hand, except Agriculture and Forestry Laborers	280	3.45	na	na

211j

AUTOMOBILE REPAIRS, SERVICES, AND GARAGES

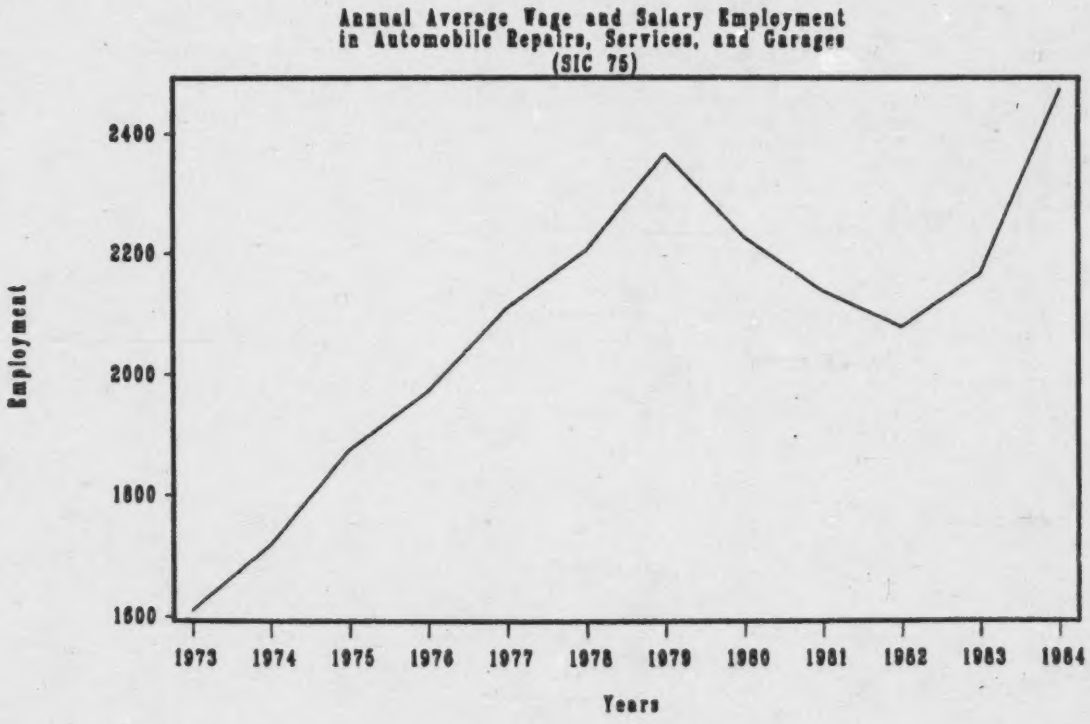
SIC 75

This major group includes establishments primarily engaged in furnishing automotive repair, rental, leasing, and parking services to the general public.

This industry experienced a steady increase, 46.8 percent, in its annual average wage and salary employment between 1973 and 1979. A drop in employment of 12.1 percent was recorded from 1979 to 1982. Since that time, employment has increased by 19.0 percent with a peak of 2,475 workers reached in 1984.

217k

FIGURE 25



SIC 75
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Automotive Mechanics	490	20.16
Automotive Body and Related Repairers	410	16.87
Bus and Truck Mechanics, and Diesel Engine Specialists	170	7.00
Bookkeeping, Accounting, and Auditing Clerks	120	4.94
Vehicle Washers and Equipment Cleaners	120	4.94
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	110	4.53
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	110	4.53
Counter and Rental Clerks	90	3.70
Service Station Attendants	90	3.70
Salespersons, Parts	80	3.29

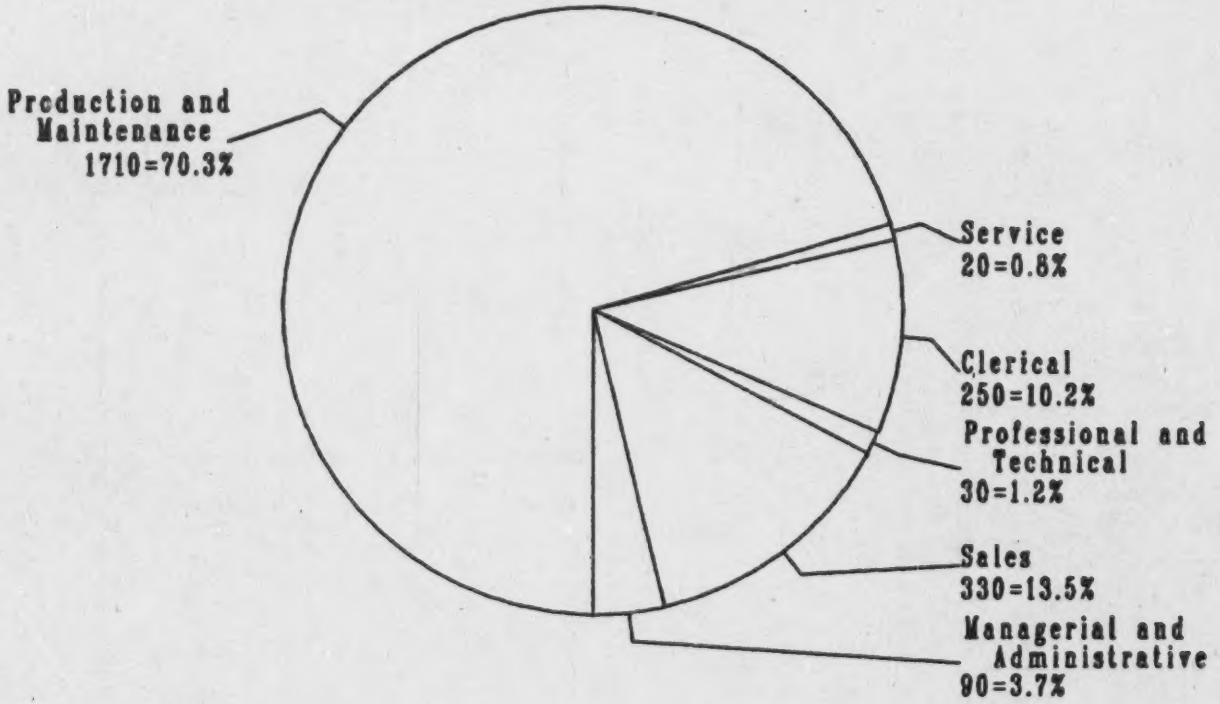
Ten Occupations Most Frequently Reported by Employers

Occupation	Percent of Units Reporting the Occupation
Automotive Mechanics	50
Bookkeeping, Accounting, and Auditing Clerks	36
Automotive Body and Related Repairers	35
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	31
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	30
Vehicle Washers and Equipment Cleaners	20
General Managers and Top Executives	15
Secretaries	15
General Office Clerks	15
Service Station Attendants	15

230k

FIGURE 26

Percentage of Employment by Major Occupational Categories for SIC 75 in May 1984



AUTOMOTIVE REPAIR, SERVICES, AND GARAGES
SIC 75
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	2,430	100.00	na	na
Managerial and Administrative Occupations	90	3.70	na	na
Financial Managers	50	2.06	25	14
General Managers and Top Executives	40	1.65	16	15
Professional, Paraprofessional, and Technical Occupations	30	1.23	na	na
Accountants and Auditors	10	0.41	32	6
Purchasing Agents, except Wholesale, Retail, and Farm Products	10	0.41	38	4
All Other Professional, Paraprofessional, and Technical Workers	10	0.41	na	na
Sales and Related Occupations	330	13.58	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	110	4.53	18	30
Salespersons, Retail	10	0.41	2	4
Salespersons, Parts	80	3.29	23	14
Counter and Rental Clerks	90	3.70	19	11
Cashiers	30	1.23	8	4
All Other Sales and Related Workers	10	0.41	na	na
Clerical and Administrative Support Occupations	250	10.29	na	na
Secretaries	40	1.65	25	15
Typists	10	0.41	26	3
Bookkeeping, Accounting, and Auditing Clerks	120	4.94	14	36
Payroll and Timekeeping Clerks	10	0.41	40	4
General Office Clerks	50	2.06	16	15
Stock Clerks, Stockroom, Warehouse, or Storage Yard	10	0.41	47	4
All Other Clerical and Administrative Support Workers	10	0.41	na	na
Service Occupations	20	0.82	na	na
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20	0.82	32	6
Production, Construction, Operating, Maintenance, and Material Handling Occupations	1,710	70.37	na	na
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	110	4.53	15	31
Maintenance Repairers, General Utility	50	2.06	42	5
Automotive Mechanics	490	20.16	12	50
Automotive Body and Related Repairers	410	16.87	11	35
Bus and Truck Mechanics, and Diesel Engine Specialists	170	7.00	19	12
Tire Repairers and Changers	30	1.23	44	5
All Other Mechanics, Installers, and Repairers	20	0.82	na	na
Painters, Transportation Equipment	30	1.23	35	4
All Other Machine Operators and Tenders	30	1.23	na	na
Welders and Cutters	30	1.23	27	3
Truck Drivers, Light, including Delivery and Route Workers	60	2.47	20	14
All Other Motor Vehicle Operators	50	2.06	9	4
Service Station Attendants	90	3.70	22	15
Vehicle Washers and Equipment Cleaners	120	4.94	12	20
All Other Helpers, Laborers, and Material Movers, Hand	20	0.82	na	na

210J

MISCELLANEOUS REPAIR SERVICES

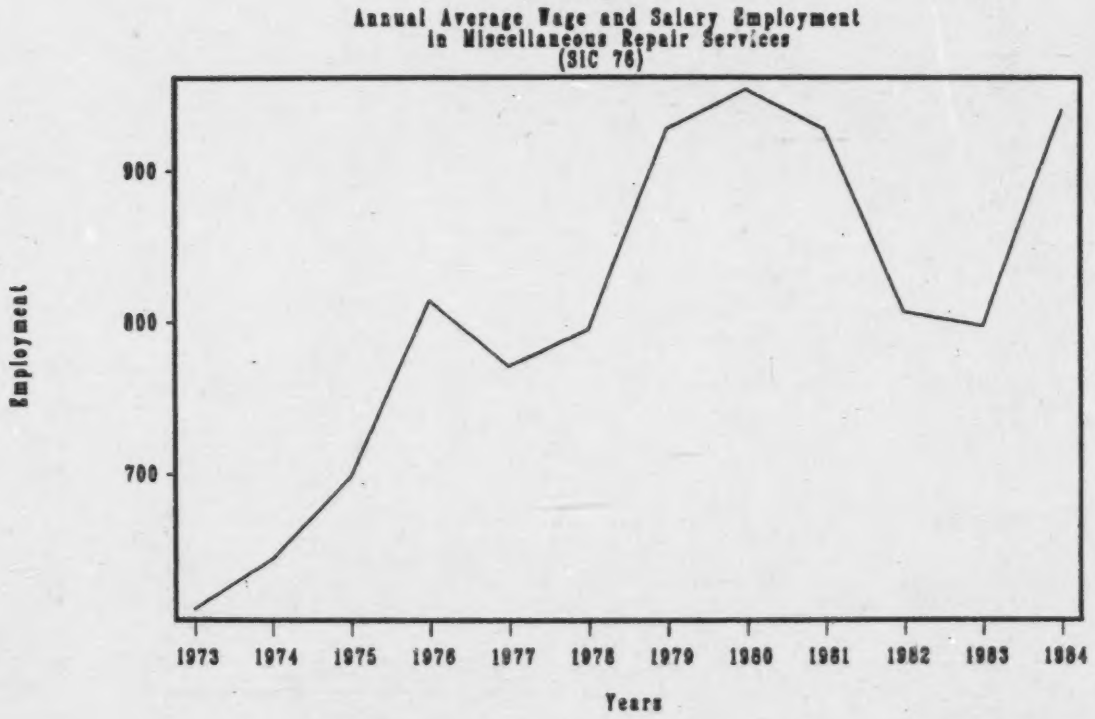
SIC 76

This major group includes establishments engaged in miscellaneous repair services, such as electrical repair shops; watch, clock, and jewelry repair; reupholstery and furniture repair; and bicycle repair, gun repair, and typewriter repair.

The annual average wage and salary employment in this industry grew by 33 percent between 1973 and 1976. A slight decrease occurred between 1976 and 1977 before employment continued to grow with a 23.9 percent increase seen from 1977 to 1980. A significant reduction, 16.4 percent, occurred between 1980 and 1983. Since that time, the industry has again recovered, experiencing a 17.9 percent increase in employment, and reaching a high of 941 workers in 1984.

217k

FIGURE 27



SIC 76
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Electric Motor, Transformer, and Related Repairers	110	12.22
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	80	8.89
Welders and Cutters	60	6.67
Bookkeeping, Accounting, and Auditing Clerks	50	5.56
General Office Clerks	50	5.56
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	40	4.44
Salespersons, Retail	40	4.44
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	40	4.44
Maintenance Repairers, General Utility	40	4.44
Upholsterers	40	4.44

Eleven Occupations Most Frequently Reported by Employers

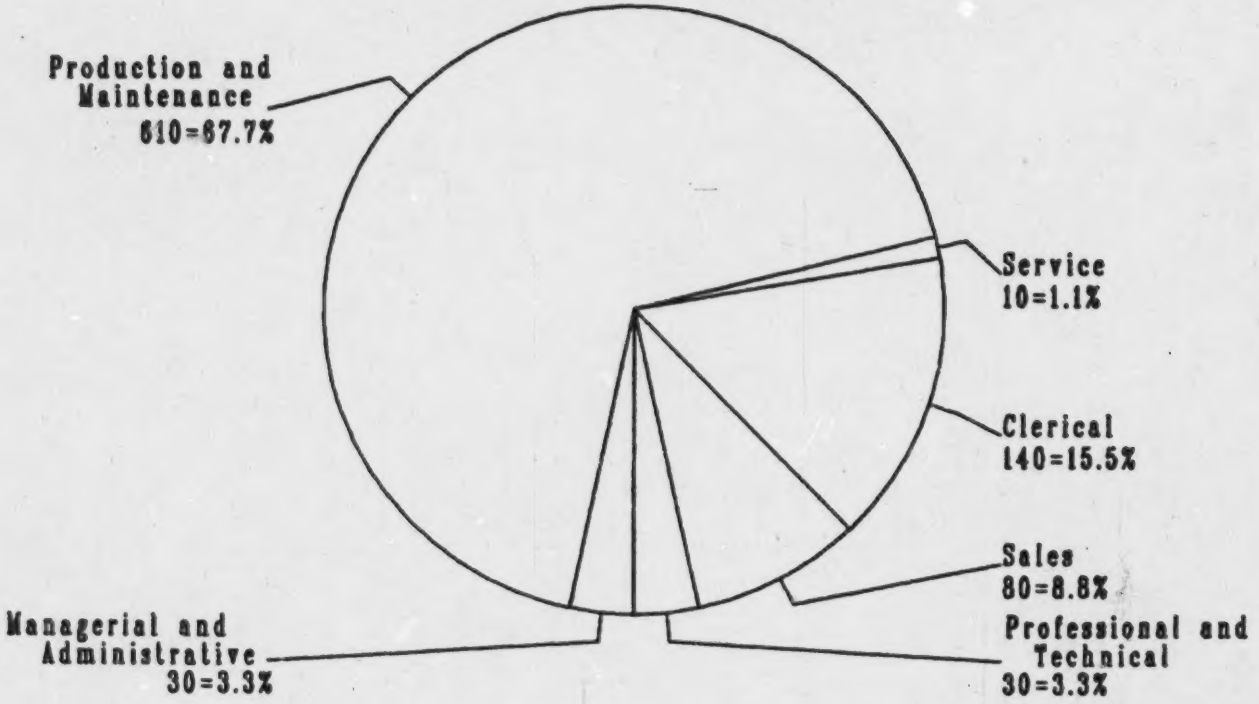
Occupation	Percent of Units Reporting the Occupation
Bookkeeping, Accounting, and Auditing Clerks	41
General Office Clerks	35
Secretaries	31
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	29
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	27
Salespersons, Retail	20
Maintenance Repairers, General Utility	16
Welders and Cutters	16
Financial Managers	14
General Managers and Top Executives	14
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	14

231k

FIGURE 28

Percentage of Employment by Major Occupational Categories

for SIC 76 in May 1984



MISCELLANEOUS REPAIR SERVICES -
SIC 76
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	900	100.00	na	na
Managerial and Administrative Occupations	30	3.33	na	na
Financial Managers	10	1.11	29	14
General Managers and Top Executives	20	2.22	30	14
Professional, Paraprofessional, and Technical Occupations	30	3.33	na	na
Sales and Related Occupations	80	8.89	na	na
First Line Supervisors and Manager/Supervisors, Sales and Related Occupations	40	4.44	19	29
Salespersons, Retail	40	4.44	24	20
Clerical and Administrative Support Occupations	140	15.56	na	na
Secretaries	30	3.33	16	31
Bookkeeping, Accounting, and Auditing Clerks	50	5.56	14	41
General Office Clerks	50	5.56	16	35
Traffic, Shipping, and Receiving Clerks	10	1.11	36	8
Service Occupations	10	1.11	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	610	67.78	na	na
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	40	4.44	17	27
Maintenance Repairers, General Utility	40	4.44	32	16
Communications Equipment Mechanics, Installers, and Repairers	10	1.11	na	na
Electronic Home Entertainment Equipment Repairers	20	2.22	42	6
Electric Home Appliance and Power Tool Repairers	30	3.33	31	10
Electric Motor, Transformer, and Related Repairers	110	12.22	36	12
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	80	8.89	33	14
All Other Mechanics, Installers, and Repairers	30	3.33	na	na
Construction Trades Workers	30	3.33	na	na
Machinists	30	3.33	41	6
All Other Precision Metal Workers	40	4.44	na	na
Precision Wood Workers	20	2.22	na	na
Upholsterers	40	4.44	28	10
Sewing Machine Operators, Nongarment	10	1.11	45	6
Welders and Cutters	60	6.67	28	16
Truck Drivers, Light, including Delivery and Route Workers	20	2.22	42	8

2063

MOTION PICTURES

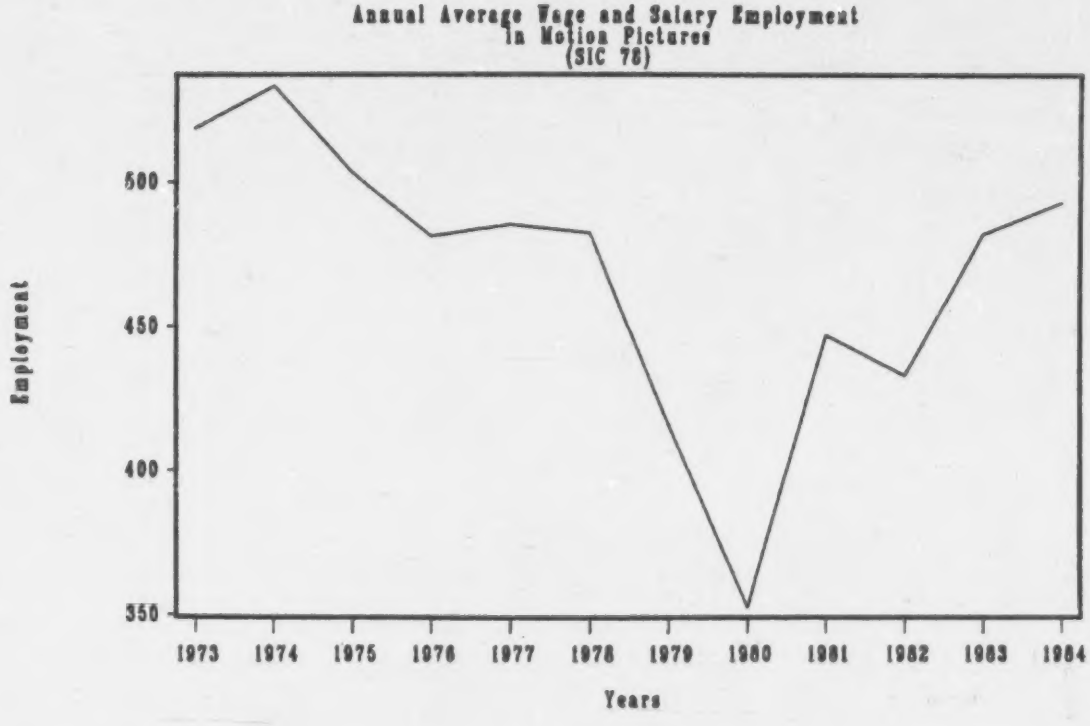
SIC 78

This major group includes establishments producing and distributing motion pictures, exhibiting motion pictures in commercially operated theaters, and furnishing services to the motion picture industry.

The annual average wage and salary employment of the motion picture industry saw a decline of 33.9 percent between 1974 and 1980. The sharpest drop took place between 1978 and 1980 when the average number of workers fell from 482 to 353, a 26.8 percent reduction. This reduction was counteracted with an equivalent increase of 26.6 percent between 1980 and 1981. Further gains were seen from 1982 to 1984 with employment climbing to 493, but still below the 1973 employment level of 519.

217k

FIGURE 29



SIC 78
June 1984

Eight Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Motion Picture Projectionists	140	24.56
Ushers, Lobby Attendants, and Ticket Takers	100	17.54
Cashiers	90	15.79
Counter Attendants, Lunchroom, Coffee Shop, or Cafeteria	40	7.02
General Managers and Top Executives	30	5.26
Janitors and Cleaners, except Maids and Housekeeping Cleaners	30	5.26
Administrative Services Managers	20	3.51
Food Preparation Workers	20	3.51

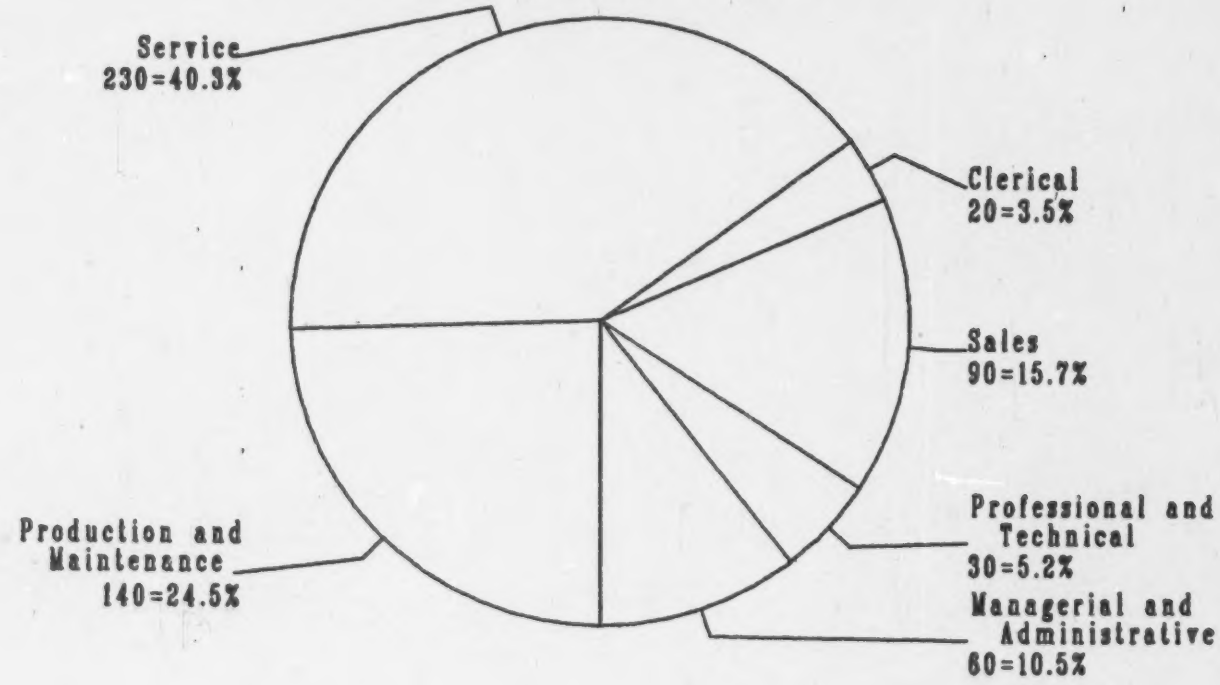
Nine Occupations Most Frequently Reported by Employers

Occupation	Percent of Units Reporting the Occupation
Motion Picture Projectionists	83
Cashiers	67
Administrative Services Managers	42
Janitors and Cleaners, except Maids and Housekeeping Cleaners	42
Ushers, Lobby Attendants, and Ticket Takers	42
Counter Attendants, Lunchroom, Coffee Shop, or Cafeteria	33
General Managers and Top Executives	29
Food Service and Lodging Managers	17
Food Preparation Workers	17

232k

FIGURE 30

Percentage of Employment by Major Occupational Categories for SIC 78 in June 1984



MOTION PICTURES
SIC 78
June 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	570	100.00	na	na
Managerial and Administrative Occupations	60	10.53	na	na
Administrative Services Managers	20	3.51	23	42
Food Service and Lodging Managers	10	1.75	40	17
General Managers and Top Executives	30	5.26	28	29
Professional, Paraprofessional, and Technical Occupations	30	5.26	na	na
Camera Operators, Television and Motion Picture	10	1.75	16	13
All Other Professional, Paraprofessional, and Technical Workers	20	3.51	na	na
Sales and Related Occupations	90	15.79	na	na
Cashiers	90	15.79	14	67
Clerical and Administrative Support Occupations	20	3.51	na	na
Bookkeeping, Accounting, and Auditing Clerks	10	1.75	36	13
All Other Clerical and Administrative Support Workers	10	1.75	na	na
Service Occupations	230	40.35	na	na
Guards and Watch Guards	10	1.75	42	13
Counter Attendants, Lunchroom, Coffee Shop, or Cafeteria	40	7.02	28	33
Food Preparation Workers	20	3.51	40	17
All Other Food Service Workers	20	3.51	na	na
Janitors and Cleaners, except Maids and Housekeeping Cleaners	30	5.26	24	42
Ushers, Lobby Attendants, and Ticket Takers	100	17.54	28	42
All Other Service Workers	10	1.75	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	140	24.56	na	na
Motion Picture Projectionists	140	24.56	18	83

207J

AMUSEMENT AND RECREATION SERVICES, EXCEPT MOTION PICTURES

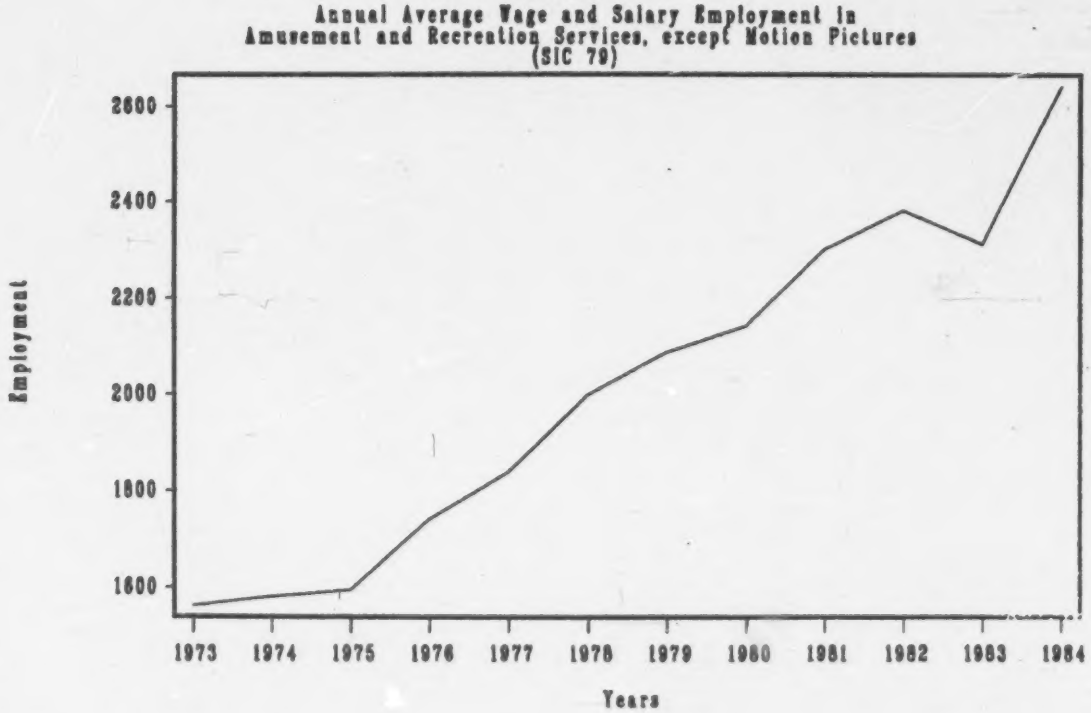
SIC 79

This major group includes establishments engaged in providing amusement or entertainment on payment of a fee or admission charge, except motion picture theaters.

The annual average wage and salary employment in this industry increased steadily from 1975, with the exception of a slight decrease between 1982 and 1983. The rate of growth for this nine year period of 1975 to 1984 was 65.7 percent, during which time, the industry added 1,048 workers to its payroll.

217k

FIGURE 31



SIC 79
April 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Amusement and Recreation Attendants	290	14.72
Cashiers	220	11.17
Gardeners and Groundskeepers, except Farm	140	7.11
Musicians, Instrumental	100	5.08
Maintenance Repairers, General Utility	90	4.57
Janitors and Cleaners, except Maids and Housekeeping Cleaners	70	3.55
Guides	70	3.55
Athletes, Coaches, Umpires, and Related Workers	60	3.05
Bookkeeping, Accounting, and Auditing Clerks	60	3.05
Waiters and Waitresses	60	3.05

Ten Occupations Most Frequently Reported by Employers

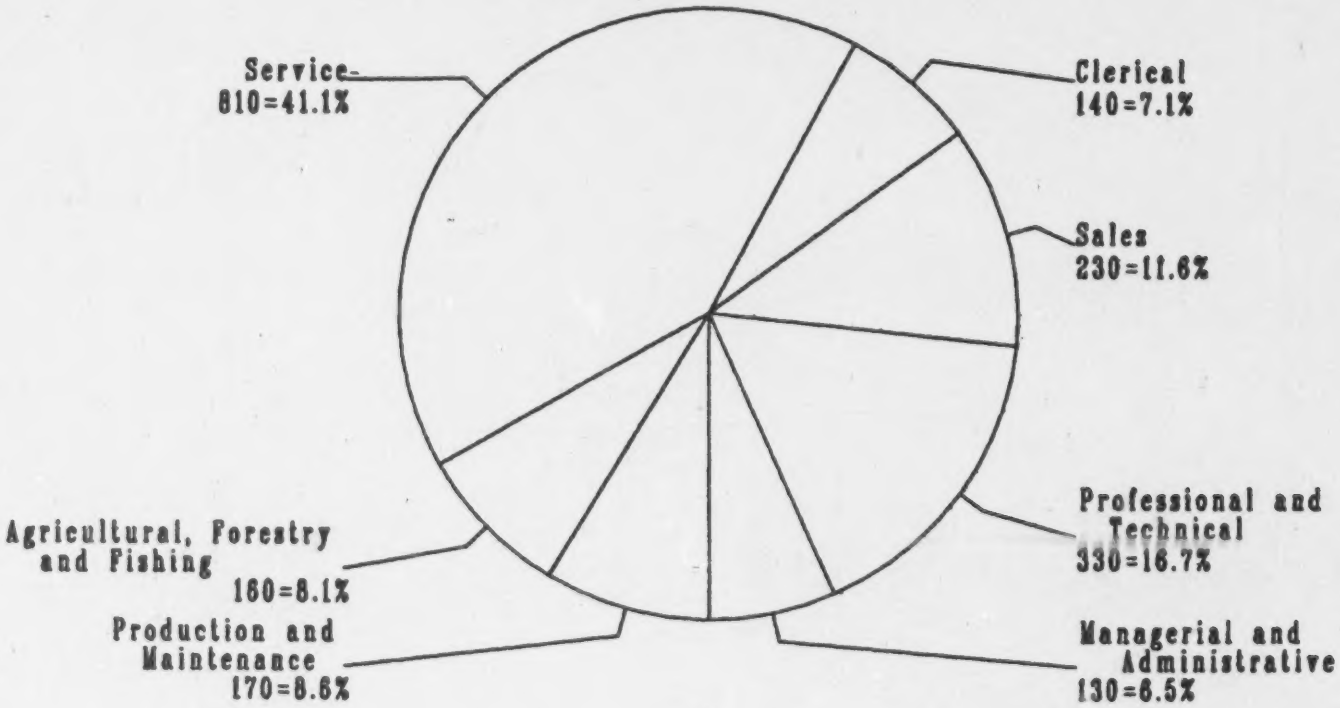
Occupation	Percent of Units Reporting the Occupation
Cashiers	39
Amusement and Recreation Attendants	32
Maintenance Repairers, General Utility	31
Bookkeeping, Accounting, and Auditing Clerks	28
General Managers and Top Executives	24
Financial Managers	23
Marketing, Advertising, and Public Relations Managers	22
Secretaries	22
Janitors and Cleaners, except Maids and Housekeeping Cleaners	22
Gardeners and Groundskeepers, except Farm	22

233k

FIGURE 32

Percentage of Employment by Major Occupational Categories

for SIC 79 in April 1984



AMUSEMENT AND RECREATION SERVICES, EXCEPT MOTION PICTURES
SIC 79
April 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	1,970	100.00	na	na
Managerial and Administrative Occupations	130	6.60	na	na
Financial Managers	30	1.52	18	23
Marketing, Advertising, and Public Relations Managers	30	1.52	22	22
Food Service and Lodging Managers	20	1.02	19	16
General Managers and Top Executives	50	2.54	19	24
Professional, Paraprofessional, and Technical Occupations	330	16.75	na	na
Accountants and Auditors	10	0.51	49	4
Electrical and Electronic Engineering Technicians and Technologists	10	0.51	39	5
Teachers and Instructors	10	0.51	na	na
Instructors and Coaches, Sports and Physical Training	50	2.54	29	11
Health Professionals, Paraprofessionals, and Technicians	20	1.02	na	na
Public Relations Specialists and Publicity Writers	10	0.51	18	7
Announcers, Radio and Television	20	1.02	37	9
Musicians, Instrumental	100	5.08	9	4
Athletes, Coaches, Umpires, and Related Workers	60	3.05	22	9
All Other Professional, Paraprofessional, and Technical Workers	40	2.03	na	na
Sales and Related Occupations	230	11.68	na	na
Cashiers	220	11.17	12	39
All Other Sales and Related Workers	10	0.51	na	na
Clerical and Administrative Support Occupations	140	7.11	na	na
Secretaries	30	1.52	24	22
Receptionists and Information Clerks	10	0.51	30	8
Bookkeeping, Accounting, and Auditing Clerks	60	3.05	16	28
General Office Clerks	20	1.02	30	14
All Other Clerical and Administrative Support Workers	20	1.02	na	na
Service Occupations	810	41.12	na	na
Guards and Watch Guards	40	2.03	31	7
Bartenders	30	1.52	17	12
Waiters and Waitresses	60	3.05	24	11
Dining Room and Cafeteria Attendants, and Bartender Helpers	40	2.03	19	7
Counter Attendants, Lunchroom, Coffee Shop, or Cafeteria	10	0.51	35	4
Cooks, Restaurant	40	2.03	19	14
Cooks, Specialty Fast Food	20	1.02	23	4
Food Preparation Workers	40	2.03	28	9
Maids and Housekeeping Cleaners	10	0.51	43	4
Janitors and Cleaners, except Maids and Housekeeping Cleaners	70	3.55	16	22
Amusement and Recreation Attendants	290	14.72	14	32
Guides	70	3.55	46	7
Ushers, Lobby Attendants, and Ticket Takers	40	2.03	43	7
All Other Service Workers	50	2.54	na	na
Agricultural, Forestry, Fishing, and Related Occupations	160	8.12	na	na
Gardeners and Groundskeepers, except Farm	140	7.11	21	22
Animal Caretakers, except Farm	20	1.02	37	4
Production, Construction, Operating, Maintenance, and Material Handling Occupations	170	8.63	na	na
First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	0.51	na	na
Maintenance Repairers, General Utility	90	4.57	17	31
Mechanics, Installers, and Repairers	30	1.52	na	na
Carpenters	10	0.51	35	7
Transportation and Material Moving Equipment Operators	20	1.02	na	na
Helpers, Laborers, and Material Movers, Hand	10	0.51	na	na

HEALTH SERVICES, EXCEPT HOSPITALS

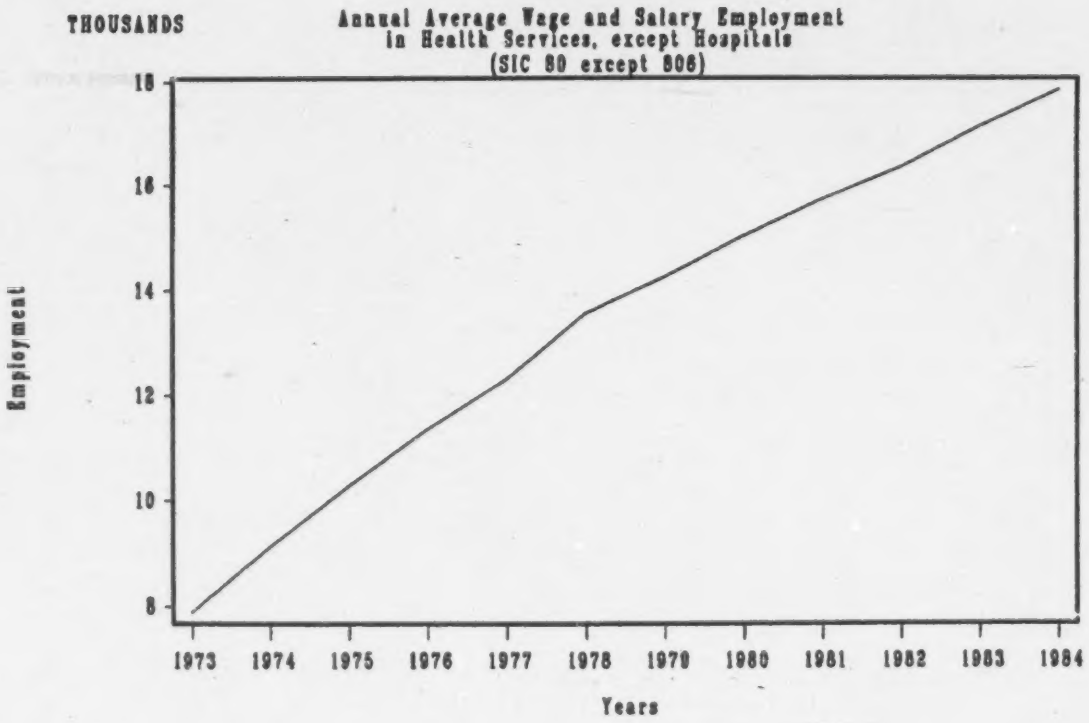
SIC 80 except 806

This major group includes establishments, other than hospitals, primarily engaged in furnishing medical and other health services to persons.

The annual average wage and salary employment in this industry has shown substantial steady growth, 126.3 percent, since 1973. Employment increased from 7,888 in 1973 to 17,850 in 1984, indicating an annual employment gain of 11.5 percent.

217k

FIGURE 33



SIC 80, except 806
April 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Nursing Aides, Orderlies, and Attendants	5,130	28.76
Registered Nurses	1,160	6.50
Licensed Practical Nurses	850	4.76
Physicians and Surgeons	830	4.65
Medical Secretaries	800	4.48
Food Preparation Workers	620	3.48
Maids and Housekeeping Cleaners	620	3.48
Receptionists and Information Clerks	560	3.14
Dental Assistants	400	2.24
Dental Hygienists	390	2.19

Eleven Occupations Most Frequently Reported by Employers

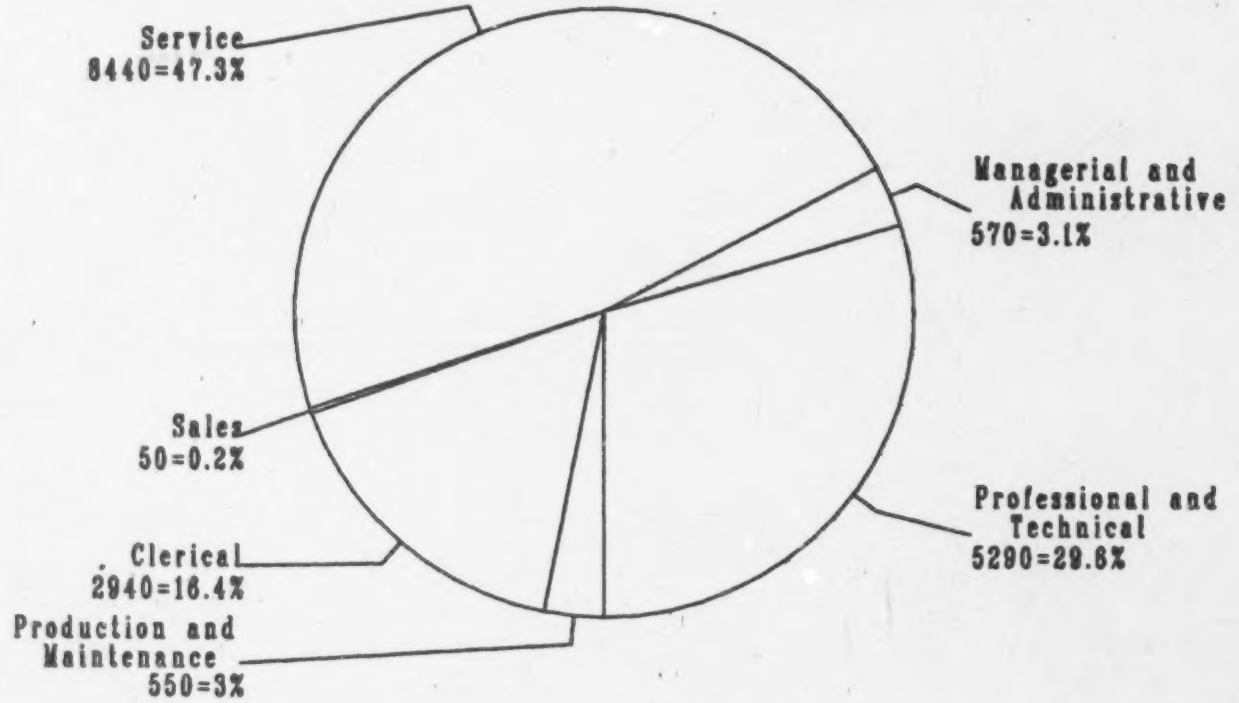
Occupation	Percent of Units Reporting the Occupation
Registered Nurses	39
Receptionists and Information Clerks	37
Bookkeeping, Accounting, and Auditing Clerks	36
Medical Secretaries	34
Medicine and Health Services Managers	31
Physicians and Surgeons	31
Licensed Practical Nurses	25
Secretaries, except Legal and Medical	23
General Office Clerks	21
Dental Hygienists	19
Janitors and Cleaners, except Maids and Housekeeping Cleaners	19

234k

FIGURE 34

Percentage of Employment by Major Occupational Categories

for SIC 80 except 806 in April 1984



HEALTH SERVICES, EXCEPT HOSPITALS
SIC 80, EXCEPT 806
April 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	17,840	100	na	na
Managerial and Administrative Occupations	570	3.20	na	na
Financial Managers	180	1.01	28	18
Marketing, Advertising, and Public Relations Managers	10	.06	42	2
Administrative Services Managers	30	.17	42	5
Medicine and Health Services Managers	200	1.12	17	31
Food Service and Lodging Managers	40	.22	38	6
General Managers and Top Executives	80	.45	25	14
All Other Managers and Administrators	30	.17	na	na
Professional, Paraprofessional, and Technical Occupations	5,290	29.65	na	na
Accountants and Auditors	40	.22	46	7
All Other Management Support Workers	10	.06	na	na
Physical and Life Science Technicians and Technologists	10	.06	na	na
Psychologists	70	.39	48	4
Social Workers, Medical and Psychiatric	140	.78	17	11
Social Workers, except Medical and Psychiatric	90	.50	31	9
Social Service Technicians	120	.67	20	6
Nursing Instructors	20	.11	32	3
All Other Teachers and Instructors	10	.06	na	na
Physicians and Surgeons	830	4.65	13	31
Dentists	240	1.35	25	12
All Other Health Diagnosing and Treating Practitioners	50	.28	na	na
Occupational Therapists	20	.11	14	4
Physical Therapists	60	.34	25	8
Recreational Therapists	160	.90	16	10
Speech Pathologists and Audiologists	90	.50	50	5
All Other Therapists	20	.11	na	na
Registered Nurses	1,160	6.50	7	39
Licensed Practical Nurses	850	4.76	7	25
Physician's Assistants	150	.84	37	9
Opticians, Dispensing and Measuring	190	1.07	49	3
Dietitians and Nutritionists	40	.22	37	5
Dietetic Technicians	70	.39	35	5
Medical and Clinical Laboratory Technologists	70	.39	6	4
Medical and Clinical Laboratory Technicians	110	.62	34	10
Dental Hygienists	390	2.19	11	19
Medical Records Technicians and Technologists	30	.17	41	3
Radiologic Technicians	120	.67	38	8
All Other Health Professionals, Paraprofessionals, and Technicians	120	.67	na	na
All Other Professional, Paraprofessional, and Technical Workers	10	.06	na	na
Sales and Related Occupations	50	.28	na	na
Cashiers	40	.22	45	6
All Other Sales and Related Workers	10	.06	na	na
Clerical and Administrative Support Occupations	2,940	16.48	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	70	.39	32	10
Medical Secretaries	800	4.48	15	34
Secretaries, Except Legal and Medical	320	1.79	21	23
Receptionists and Information Clerks	560	3.14	13	37
Typists	160	.90	24	15
Typists, Word Processing Equipment	40	.22	50	3
Bookkeeping, Accounting, and Auditing Clerks	340	1.91	14	36
Payroll and Timekeeping Clerks	70	.39	32	12

SIC 80, EXCEPT 806 (continued)

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Clerical and Administrative Support Occupations (continued)				
Billing, Cost, and Rate Clerks	60	.34	40	6
General Office Clerks	380	2.13	21	21
Computer Operators, Except Peripheral Equipment	10	.06	32	3
Data Entry Keyers, Except Composing	10	.06	28	3
All Other Office Machine Operators	20	.11	na	na
Communications Equipment Operators	20	.11	na	na
Material Recording, Scheduling, and Distributing Workers	30	.17	na	na
All Other Clerical and Administrative Support Workers	50	.28	na	na
Service Occupations	8,440	47.31	na	na
Housekeepers	200	1.12	31	11
All Other Service Supervisors and Manager/Supervisors	10	.06	na	na
Cooks, Institution or Cafeteria	380	2.13	16	12
Food Preparation Workers	620	3.48	18	10
All Other Food Service Workers	200	1.12	na	na
Dental Assistants	400	2.24	9	18
Medical Assistants	160	.90	30	7
Nursing Aides, Orderlies, and Attendants	5,130	28.76	3	18
Home Health Aides	210	1.18	13	8
All Other Health Service Workers	130	.73	na	na
Maids and Housekeeping Cleaners	620	3.48	15	14
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	250	1.40	21	19
All Other Cleaning and Building Service Workers, Except Private Households.	30	.17	na	na
Social Welfare Service Aides	90	.50	21	3
All Other Service Workers	10	.06	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	550	3.08	na	na
First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	10	.06	na	na
Maintenance Repairers, General Utility	130	73	21	11
Precision Dental Laboratory Technicians	130	.73	35	3
Laundry and Drycleaning Machine Operators and Tenders, Except Pressing	190	1.07	32	6
All Other Machine Operators and Tenders	30	.17	na	na
Truck Drivers, Light, including Delivery and Route Workers	50	.28	36	5
Helpers, Laborers, and Material Movers, Hand	10	.06	na	na

216j

LEGAL SERVICES

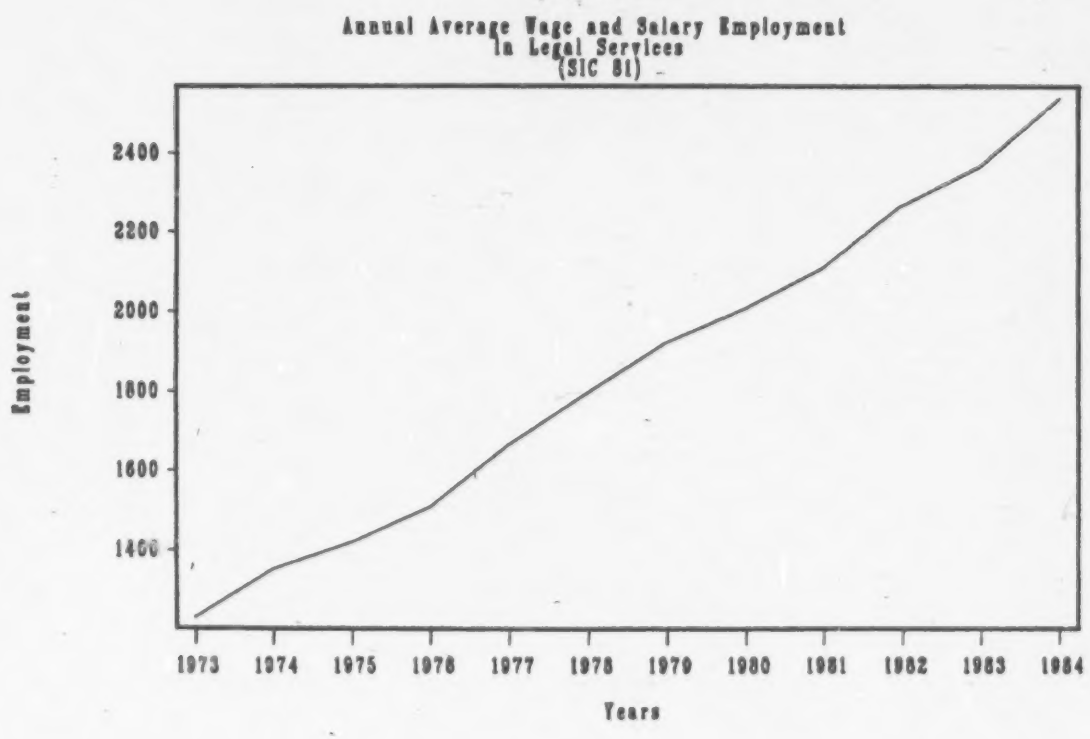
SIC 81

This major group includes establishments engaged in offering legal advice or legal services the head or heads of which are members of the bar.

The annual average wage and salary employment in the legal services industry grew steadily from 1,232 in 1973 to 2,544 in 1984. This denotes an overall increase of 106.5 percent, or an annual increase of 9.7 percent.

217k

FIGURE 35



SIC 81
May 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Legal Secretaries	1,050	42.17
Lawyers	790	31.73
Bookkeeping, Accounting, and Auditing Clerks	140	5.62
Paralegal Personnel	130	5.22
Title Examiners and Abstractors	50	2.01
Receptionists and Information Clerks	50	2.01
Typists, Word Processing Equipment	30	1.20
Law Clerks	20	0.80
General Office Clerks	20	0.80
Switchboard Operators	20	0.80

Nine Occupations Most Frequently Reported by Employers

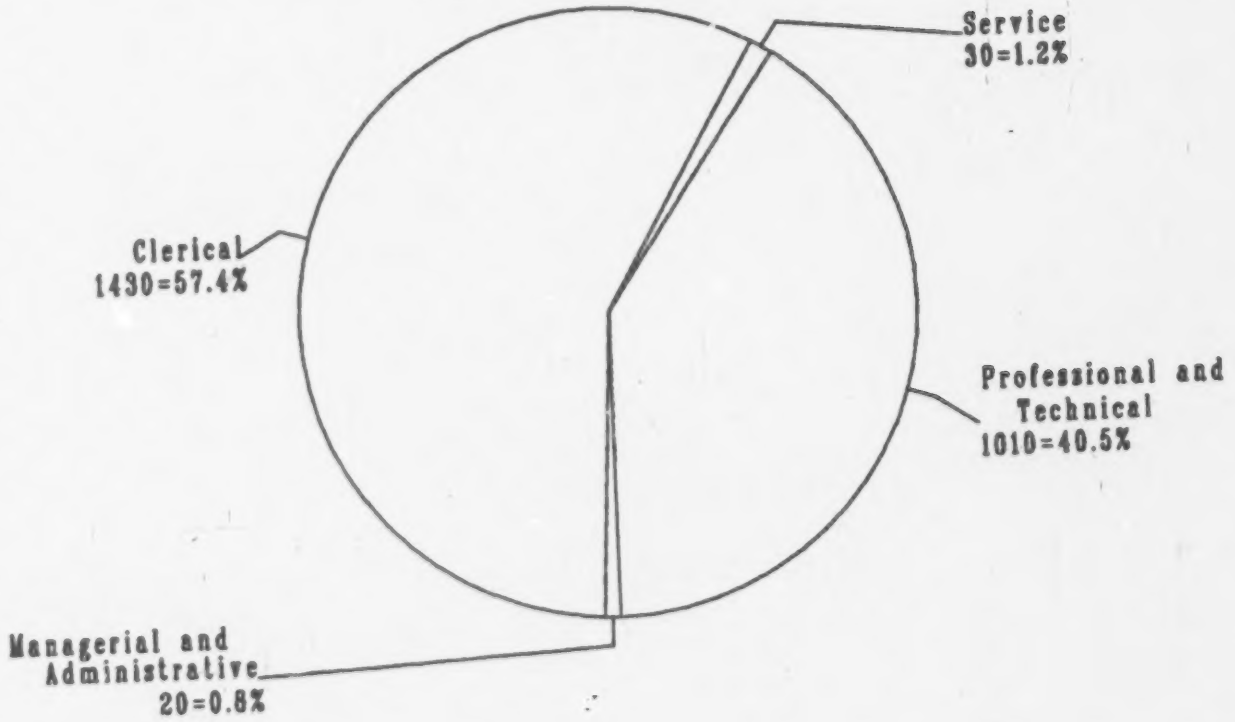
Occupation	Percent of Units Reporting the Occupation
Legal Secretaries	95
Lawyers	88
Bookkeeping, Accounting, and Auditing Clerks	63
Paralegal Personnel	46
Receptionists and Information Clerks	29
Title Examiners and Abstractors	24
Typists, Word Processing Equipment	22
Switchboard Operators	22
General Office Clerks	20

235k

FIGURE 36

Percentage of Employment by Major Occupational Categories

for SIC 81 in May 1984



LEGAL SERVICES
SIC 81
May 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	2,490	100.00	na	na
Managerial and Administrative Occupations	20	0.80	na	na
Financial Managers	10	0.40	48	17
General Managers and Top Executives	10	0.40	18	7
Professional, Paraprofessional, and Technical Occupations	1,010	40.56	na	na
Lawyers	790	31.73	7	88
Law Clerks	20	0.80	42	17
Paralegal Personnel	130	5.22	23	46
Title Examiners and Abstractors	50	2.01	29	24
All Other Legal Assistants and Technicians, except Clerical	10	0.40	na	na
Librarians, Professional	10	0.40	na	na
Clerical and Administrative Support Occupations	1,430	57.43	na	na
Legal Secretaries	1,050	42.17	7	95
Receptionists and Information Clerks	50	2.01	31	29
Typists, Word Processing Equipment	30	1.20	28	22
File Clerks	10	0.40	23	10
Bookkeeping, Accounting, and Auditing Clerks	140	5.62	17	63
General Office Clerks	20	0.80	39	20
Office Machine Operators	20	0.80	na	na
Switchboard Operators	20	0.80	35	22
All Other Clerical and Administrative Support Workers	90	3.61	na	na
Service Occupations	30	1.20	na	na

217J

SOCIAL SERVICES

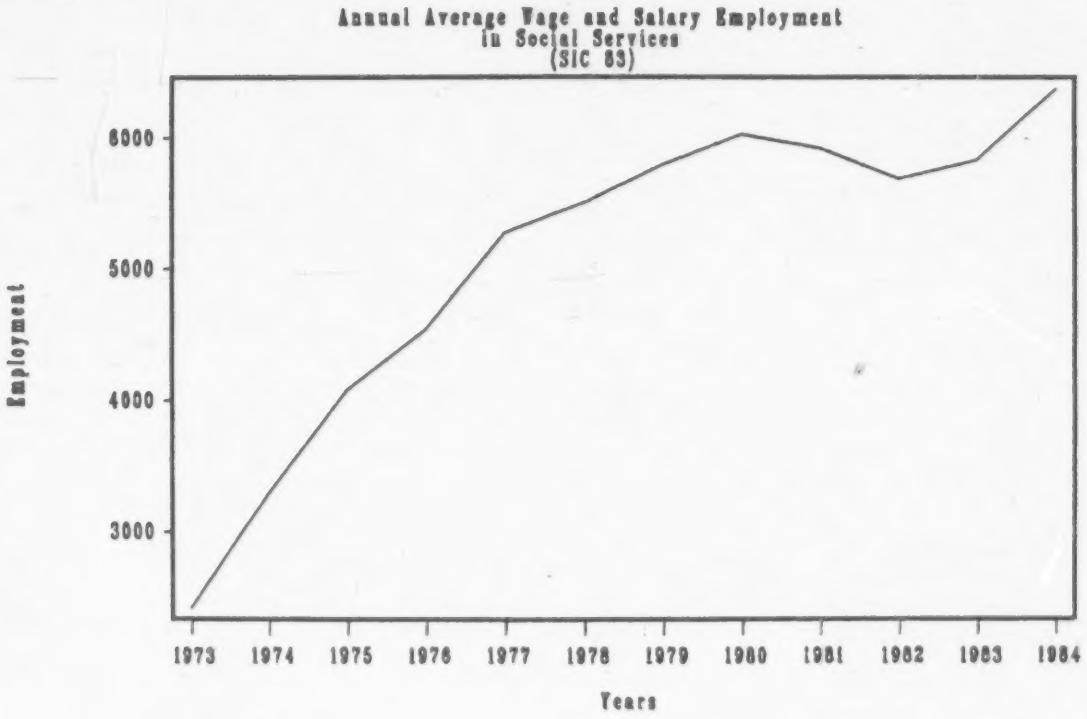
SIC 83

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged.

The social services industry reported a tremendous increase, 148.7 percent, in its annual average wage and salary employment between 1973 and 1980. A slight reversal in this upward trend was experienced from 1980 to 1982. The industry has since experienced a renewal of growth which has culminated in the employment of 6,388 workers in 1984.

217k

FIGURE 37



SIC 83
April 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Nursing Aides, Orderlies, and Attendants	480	7.64
Social Workers, except Medical and Psychiatric	440	7.01
Secretaries	310	4.94
Teachers, Preschool and Kindergarten	300	4.78
Teacher Aides and Educational Assistants, Clerical	280	4.46
Social Service Technicians	240	3.82
Instructors, Nonvocational Education	230	3.66
Cooks, Institution or Cafeteria	230	3.66
General Managers and Top Executives	220	3.50
Social Workers, Medical and Psychiatric	220	3.50

Ten Occupations Most Frequently Reported by Employers

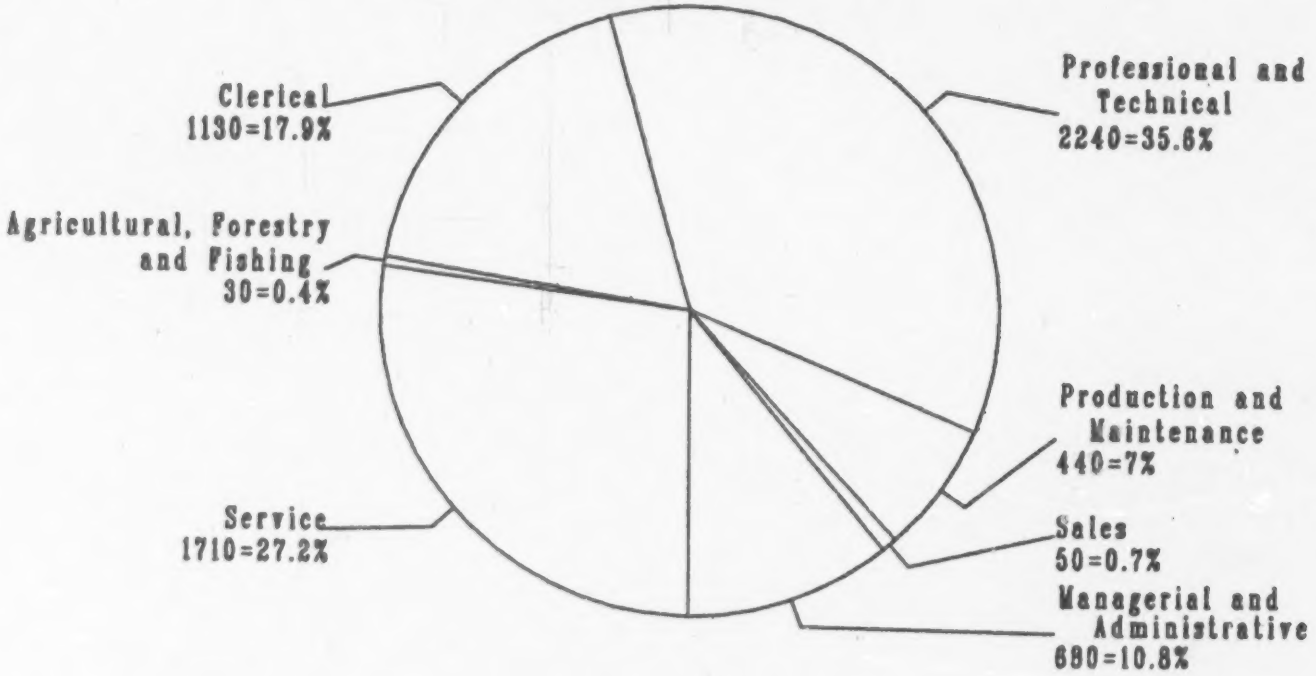
Occupation	Percent of Units Reporting the Occupation
Secretaries	54
General Managers and Top Executives	51
Cooks, Institution or Cafeteria	51
Bookkeeping, Accounting, and Auditing Clerks	49
Financial Managers	42
Social Workers, except Medical and Psychiatric	38
Janitors and Cleaners, except Maids and Housekeeping Cleaners	34
Social Service Technicians	28
Maintenance Repairers, General Utility	28
Receptionists and Information Clerks	27

236k

FIGURE 38

Percentage of Employment by Major Occupational Categories

for SIC 83 in April 1984



SOCIAL SERVICES
SIC 83
April 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	6,280	100.00	na	na
Managerial and Administrative Occupations	680	10.83	na	na
Financial Managers	110	1.75	17	42
Personnel, Training, and Labor Relations Managers	10	0.16	8	8
Marketing, Advertising, and Public Relations Managers	10	0.16	44	5
Administrative Services Managers	40	0.64	7	11
Medicine and Health Services Managers	40	0.64	14	7
Food Service and Lodging Managers	50	0.80	28	15
General Managers and Top Executives	220	3.50	14	51
All Other Managers and Administrators	200	3.18	na	na
Professional, Paraprofessional, and Technical Occupations	2,240	35.67	na	na
Accountants and Auditors	30	0.48	30	14
Personnel, Training, and Labor Relations Specialists	20	0.32	30	9
Cost Estimators	10	0.16	8	4
Psychologists	30	0.48	28	7
Social Workers, Medical and Psychiatric	220	3.50	16	17
Social Workers, except Medical and Psychiatric	440	7.01	14	38
Social Service Technicians	240	3.82	15	28
Recreation Workers	50	0.80	17	16
Teachers, Preschool and Kindergarten	300	4.78	13	21
Teachers and Instructors, Vocational Education and Training	90	1.43	38	9
Instructors, Nonvocational Education	230	3.66	38	12
All Other Teachers and Instructors	100	1.59	15	9
Vocational and Educational Counselors	60	0.96	30	8
Physicians and Surgeons	10	0.16	40	5
Therapists	20	0.32	na	na
Registered Nurses	190	3.03	19	24
Licensed Practical Nurses	80	1.27	31	11
Dietitians and Nutritionists	10	0.16	16	9
All Other Health Professionals, Paraprofessionals, and Technicians	20	0.32	na	na
Public Relations Specialists and Publicity Writers	30	0.48	50	6
All Other Professional, Paraprofessional, and Technical Workers	60	0.96	na	na
Sales and Related Occupations	50	0.80	na	na
Clerical and Administrative Support Occupations	1,130	17.99	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	40	0.64	6	9
Welfare Eligibility Workers and Interviewers	60	0.96	7	6
Teacher Aides and Educational Assistants, Clerical	280	4.46	20	18
Secretaries	310	4.94	10	54
Receptionists and Information Clerks	70	1.11	16	27
Typists	60	0.96	24	13
File Clerks	10	0.16	18	3
Bookkeeping, Accounting, and Auditing Clerks	150	2.39	12	49
Payroll and Timekeeping Clerks	20	0.32	18	13
General Office Clerks	70	1.11	14	16
Computer Operators, except Peripheral Equipment	10	0.16	11	4
Data Entry Keyers, except Composing	10	0.16	9	3
Switchboard Operators	10	0.16	17	11
All Other Clerical and Administrative Support Workers	30	0.48	na	na

SIC 83 (continued)

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
Service Occupations	1,710	27.23	na	na
Housekeepers	100	1.59	26	13
All Other Service Supervisors and Manager/Supervisors	50	0.80	na	na
Guards and Watch Guards	20	0.32	35	3
Dining Room and Cafeteria Attendants, and Bartender Helpers	30	0.48	46	5
Cooks, Institution or Cafeteria	230	3.66	10	51
Food Preparation Workers	110	1.75	16	16
All Other Food Service Workers	70	1.11	na	na
Nursing Aides, Orderlies, and Attendants	480	7.64	16	20
All Other Health Service Workers	90	1.43	na	na
Maids and Housekeeping Cleaners	50	0.80	28	12
Janitors and Cleaners, except Maids and Housekeeping Cleaners	130	2.07	18	34
All Other Cleaning and Building Service Workers, except Private Households.	10	0.16	na	na
Social Welfare Service Aides	90	1.43	14	4
Child Care Workers	200	3.18	35	11
All Other Service Workers	50	0.80	na	na
Agricultural, Forestry, Fishing, and Related Occupations	30	0.48	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	440	7.01	na	na
First Line Supervisors and Manager/Supervisors, Mechanics, Installers, and Repairers	40	0.64	33	9
First Line Supervisors and Manager/Supervisors, Construction Trades and Extractive Workers	30	0.48	14	4
All Other First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	20	0.32	na	na
Maintenance Repairers, General Utility	110	1.75	15	28
Carpenters	90	1.43	21	9
All Other Construction and Extractive Workers, except Helpers	20	0.32	na	na
Laundry and Drycleaning Machine Operators and Tenders, except Pressing	20	0.32	37	6
Bus Drivers	40	0.64	47	8
Bus Drivers, School	30	0.48	37	6
All Other Motor Vehicle Operators	20	0.32	na	na
Helpers, Laborers, and Material Movers, Hand	20	0.32	na	na

218j

MEMBERSHIP ORGANIZATIONS, EXCEPT RELIGIOUS

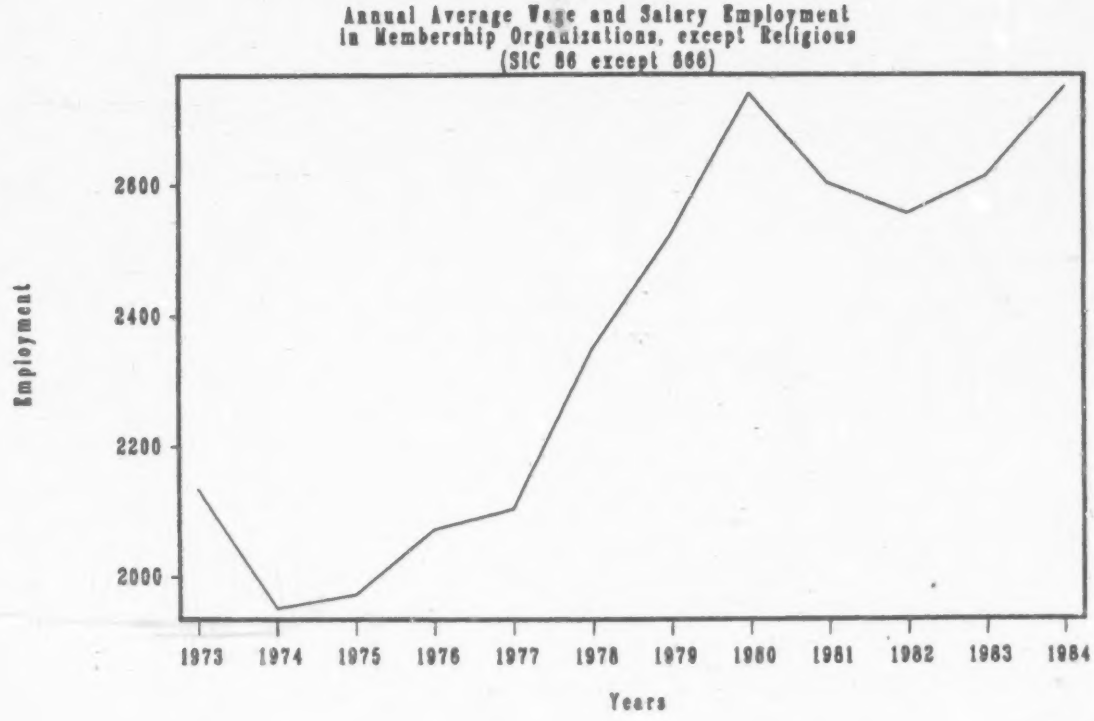
SIC 86 except 866

This major group includes organizations, other than religious organizations, operating on a membership basis for the promotion of the interests of the members, such as trade associations, professional membership organizations, labor unions and similar labor organizations, and political organizations.

Following a slight decline between 1973 and 1974, the annual average wage and salary employment in the industry showed a marked increase between 1974 and 1980 of 40.4 percent. Employment decreased by 6.8 percent from 1980 to 1982 and then increased an equivalent amount before reaching a peak of 2,754 workers in 1984.

217k

FIGURE 39



SIC 86, except 866
April 1984

Ten Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Bartenders	420	16.03
General Managers and Top Executives	200	7.63
Secretaries	190	7.25
Instructors and Coaches, Sports and Physical Training	170	6.49
Personnel, Training, and Labor Relations Specialists	120	4.58
Bookkeeping, Accounting, and Auditing Clerks	120	4.58
Recreation Workers	110	4.20
Janitors and Cleaners, except Maids and Housekeeping Cleaners	110	4.20
Financial Managers	70	2.67
Receptionists and Information Clerks	70	2.67

Nine Occupations Most Frequently Reported by Employers

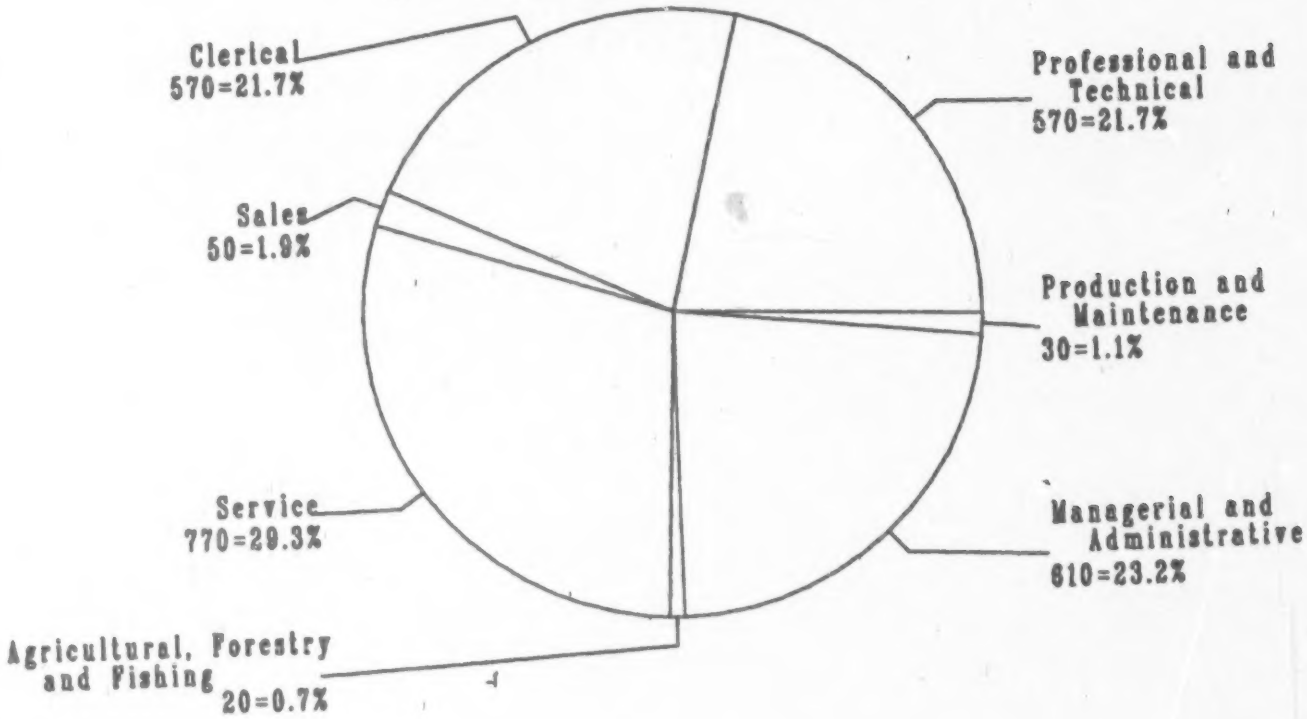
Occupation	Percent of Units Reporting the Occupation
Bookkeeping, Accounting, and Auditing Clerks	49
Secretaries	48
Janitors and Cleaners, except Maids and Housekeeping Cleaners	40
General Managers and Top Executives	36
Financial Managers	33
Bartenders	30
Receptionists and Information Clerks	25
General Office Clerks	19
Instructors and Coaches, Sports and Physical Training	16

237k

FIGURE 40

Percentage of Employment by Major Occupational Categories

for SIC 86 except 866 in April 1984



MEMBERSHIP ORGANIZATIONS, EXCEPT RELIGIOUS
SIC 86 EXCEPT 866
April 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	2,620	100.00	na	na
Managerial and Administrative Occupations	610	23.28	na	na
Financial Managers	70	2.67	20	33
Marketing, Advertising, and Public Relations Managers	20	0.76	41	7
Education Administrators	20	0 76	32	5
General Managers and Top Executives	200	7.63	18	36
All Other Managers and Administrators	300	11.45	na	na
Professional, Paraprofessional, and Technical Occupations	570	21.76	na	na
Accountants and Auditors	30	1.15	29	12
Personnel, Training, and Labor Relations Specialists	120	4.58	37	12
Social Workers, Except Medical and Psychiatric	10	0.38	43	4
Recreation Workers	110	4.20	24	12
Instructors and Coaches, Sports and Physical Training	170	6.49	14	16
All Other Teachers and Instructors	10	0.38	na	na
Health Diagnosing and Treating Practitioners	10	0.38	na	na
All Other Professional, Paraprofessional, and Technical Workers	110	4.20	na	na
Sales and Related Occupations	50	1.91	na	na
Clerical and Administrative Support Occupations	570	21.76	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	20	0.76	27	4
Secretaries	190	7.25	17	48
Receptionists and Information Clerks	70	2.67	21	25
Typists	10	0.38	42	6
Typists, Word Processing Equipment	10	0.38	49	5
Bookkeeping, Accounting, and Auditing Clerks	120	4.58	14	49
Payroll and Timekeeping Clerks	10	0.38	43	5
General Office Clerks	50	1.91	29	19
Office Machine Operators	10	0.38	na	na
Material Recording, Scheduling, and Distributing Workers	10	0.38	na	na
All Other Clerical and Administrative Support Workers	70	2.67	na	na
Service Occupations	770	29.39	na	na
Service Supervisors and Manager/Supervisors	10	0.38	na	na
Guards and Watch Guards	10	0 38	42	4
Bartenders	420	16.03	15	30
Waiters and Waitresses	60	2.29	19	6
Cooks, Restaurant	10	0.38	34	4
Cooks, Institution or Cafeteria	10	0.38	23	4
All Other Food Service Workers	50	1.91	na	na
Maids and Housekeeping Cleaners	20	0.76	31	7
Janitors and Cleaners, except Maids and Housekeeping Cleaners	110	4.20	11	40
Amusement and Recreation Attendants	10	0.38	20	4
Child Care Workers	50	1.91	18	10
All Other Service Workers	10	0.38	na	na
Agricultural, Forestry, Fishing, and Related Occupations	20	0.76	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	30	1.15	na	na
First Line Supervisors and Manager/Supervisors, Production, Construction, Maintenance, and Related Workers	20	0.76	na	na
Maintenance Repairers, General Utility	10	0.38	34	9

215J

MISCELLANEOUS SERVICES

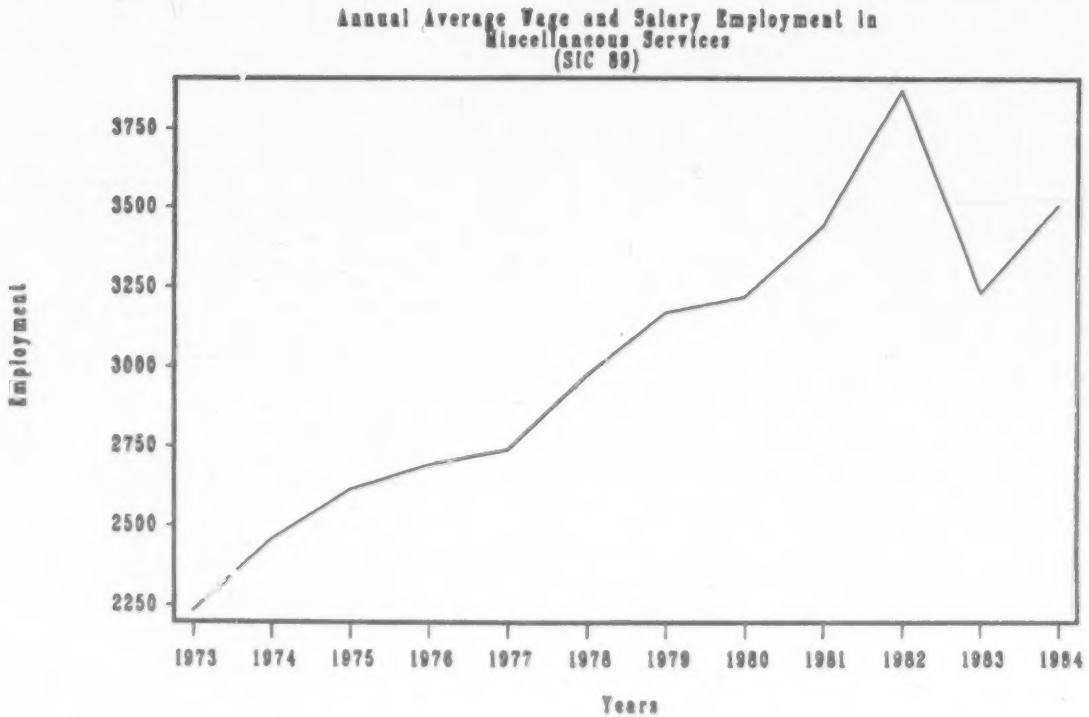
SIC 89

This major group includes establishments engaged in performing services, not elsewhere classified, such as those rendered by engineers, architects, accountants, artists, lecturers, and writers. This major group also includes noncommercial establishments primarily engaged in educational, scientific, and research activities.

The annual average wage and salary employment in this industry grew from 2,233 workers in 1973 to 3,875 in 1982, an increase of 73.5 percent. The industry then suffered a decline of 16.6 percent to an annual average of 3,232 workers in 1983, which was countered to some extent with an 8.6 percent increase to 3,509 workers in 1984.

217k

FIGURE 41



SIC 89
June 1984

Eleven Occupations with the Greatest Number of Workers

Occupation	Employment	Percent of Total Employment
Accountants and Auditors	460	13.11
Drafters	320	9.12
Secretaries	230	6.55
Civil Engineers, including Traffic	200	5.70
General Office Clerks	180	5.13
Surveying and Mapping Technicians and Technologists	170	4.84
Tax Preparers	110	3.13
Architects, except Landscape and Marine	100	2.85
Bookkeeping, Accounting, and Auditing Clerks	100	2.85
Financial Managers	90	2.56
Civil Engineering Technicians and Technologists	90	2.56

Eight Occupations Most Frequently Reported by Employers

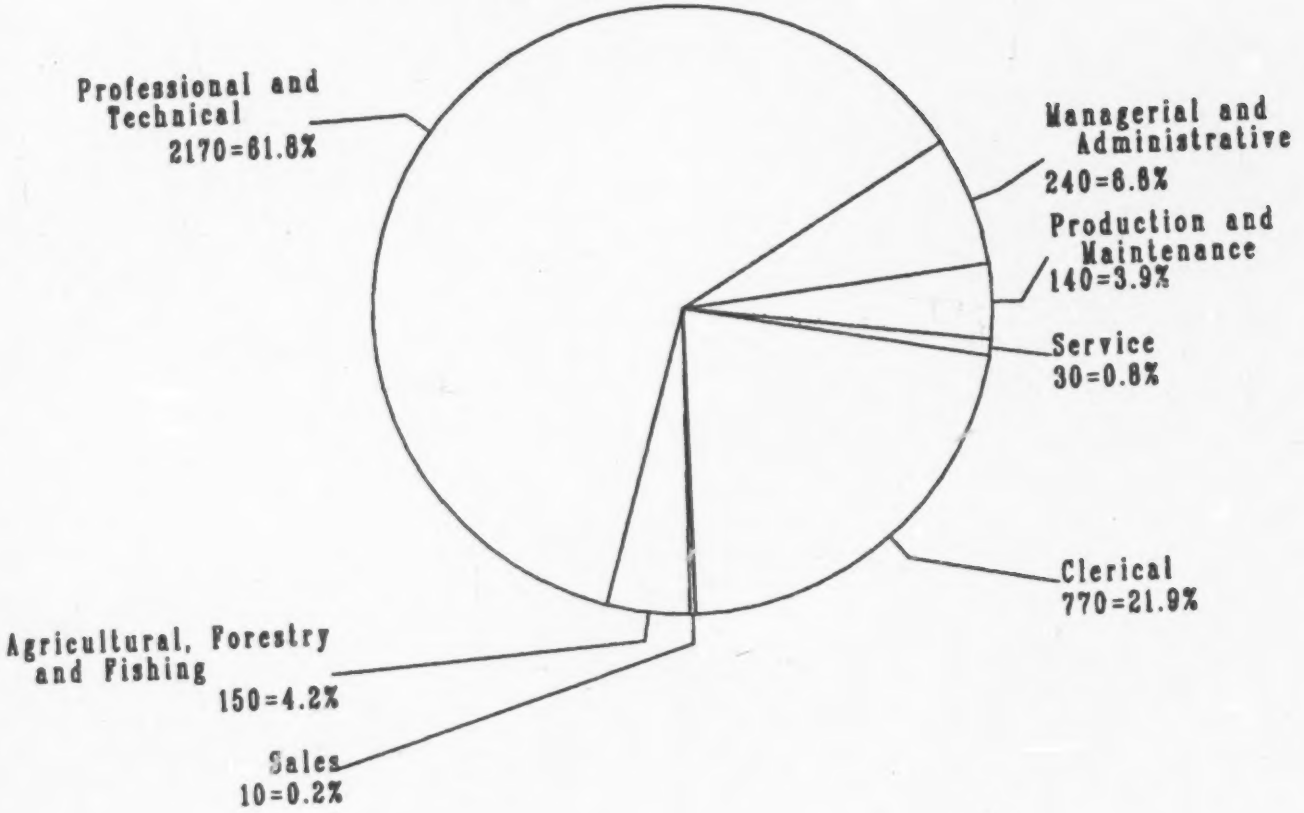
Occupation	Percent of Units Reporting the Occupation
Secretaries	68
Accountants and Auditors	43
Bookkeeping, Accounting, and Auditing Clerks	42
Drafters	38
Financial Managers	35
General Office Clerks	35
Typists, Word Processing Equipment	25
Receptionists and Information Clerks	22

238k

FIGURE 42

Percentage of Employment by Major Occupational Categories

for SIC 89 in June 1984



MISCELLANEOUS SERVICES
SIC 89
June 1984

Occupation	Estimated Employment	% of Total Empl.	Relative Error (%)	% of Units Reporting the Occupation
TOTAL ALL OCCUPATIONS	3,510	100.00	na	na
Managerial and Administrative Occupations	240	6.84	na	na
Financial Managers	90	2.56	19	35
Administrative Services Managers	50	1.42	38	13
General Managers and Top Executives	30	0.85	36	12
All Other Managers and Administrators	70	1.99	na	na
Professional, Paraprofessional, and Technical Occupations	2,170	61.82	na	na
Tax Preparers	110	3.13	35	13
Accountants and Auditors	460	13.11	17	43
All Other Management Support Workers	30	0.85	na	na
Civil Engineers, including Traffic	200	5.70	24	20
Electrical and Electronic Engineers	10	0.28	46	8
Mechanical Engineers	60	1.71	29	20
All Other Engineers	70	1.99	na	na
Architects, except Landscape and Marine	100	2.85	30	15
Surveying and Mapping Scientists	70	1.99	29	13
Civil Engineering Technicians and Technologists	90	2.56	24	20
Drafters	320	9.12	17	38
Surveying and Mapping Technicians and Technologists	170	4.84	30	15
All Other Engineering and Related Technicians and Technologists	50	1.42	na	na
Physical Scientists	20	0.57	na	na
Biological Scientists	50	1.42	6	5
Physical and Life Science Technicians and Technologists	110	3.13	na	na
Systems Analysts, Electronic Data Processing	10	0.28	42	10
Computer Programmers	40	1.14	50	20
Librarians, Professional	10	0.28	41	7
Health Professionals, Paraprofessionals and Technicians	40	1.14	na	na
Designers, except Interior Designers	60	1.71	37	12
All Other Professional, Paraprofessional, and Technical Workers	90	2.56	na	na
Sales and Related Occupations	10	0.28	na	na
Clerical and Administrative Support Occupations	770	21.94	na	na
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations	10	0.28	40	10
Secretaries	230	6.55	10	68
Receptionists and Information Clerks	40	1.14	24	22
Typists	50	1.42	27	18
Typists, Word Processing Equipment	60	1.71	24	25
Bookkeeping, Accounting, and Auditing Clerks	100	2.85	20	42
Payroll and Timekeeping Clerks	10	0.28	48	7
General Office Clerks	180	5.13	27	35
Computer Operators, except Peripheral Equipment	30	0.85	35	12
Data Entry Keyers, except Composing	20	0.57	44	13
All Other Clerical and Administrative Support Workers	40	1.14	na	na
Service Occupations	30	0.85	na	na
Janitors and Cleaners	10	0.28	46	10
All Other Service Workers	20	0.57	na	na
Agricultural, Forestry, Fishing, and Related Occupations	150	4.27	na	na
Production, Construction, Operating, Maintenance, and Material Handling Occupations	140	3.99	na	na

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NOTES ABOUT THE TABLES

Estimated Employment

If only one or two establishments reported a particular occupation, the employment for that occupation is not shown separately, but added to the appropriate "All Other" residual category. The "Total All Occupations" estimate for each industry was based on the second quarter 1984 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

Percent of Total Employment

The detail in the column entitled "% of Total Empl." may not add to totals due to rounding.

Relative Error

The relative error was computed only for specific occupations and not for residual categories nor for occupational groupings. If the relative error of an occupation exceeded 50 percent, and the response rate for the industry's total employment was 70 percent or better, the employment for that occupation was added to the residual category that was relevant to it. If the response rate of the industry was less than 70 percent, and the relative error of the occupation in that industry exceeded 35 percent, the employment for that occupation was not published separately, but was added to the residual category that was relevant to it. The relative error relates to the actual estimate before rounding. For an example of how the relative error is applied, see Accuracy of Occupational Employment Data in the METHODOLOGY.

Percent of Establishments Reporting the Occupation

The percent of establishments reporting each occupation could not be readily calculated for groups of occupations, but only for specific occupations.

Abbreviations

na - not applicable
SIC - Standard Industrial Classification, as defined in the 1972 edition of the Standard Industrial Classification Manual, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division
Empl. - Employment

Industry Coverage

The following industries were included in our survey this year, but are not represented in this publication because this would have violated the confidentiality rule under which the data was collected:

1. Mining, SIC 10 through 14
2. Museums, Art Galleries, and Botanical and Zoological Gardens, SIC 84

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METHODOLOGY

The Sample

The second quarter 1984 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law was used as the sampling frame for the Occupational Employment Statistics (OES) Program's survey of selected nonmanufacturing industries. This frame was stratified by three-digit SICs (Standard Industrial Classification) and by nine employment-size classes. Any unit in these industries with 250 or more employees was included in the sample with ever smaller proportions of firms from the smaller size classes.

The universe for this survey consisted of 12,819 establishments employing a total of 87,717 persons. Of these, the survey included 2,418 units, or 18.9 percent of the universe. These sample units employed 50,759 workers, accounting for 57.9 percent of the total universe employment.

The Survey

The survey consisted of an initial mailing and two follow-up mailings to nonrespondents. In addition, many phone calls and personal visits were made to those employers whose responses were critical for valid estimates. Usable responses were received from 1,950 units, or 80.6 percent of the 2,418 sampled units. These usable responses represented 42,860 persons, or 84.5 percent of the total employment in the surveyed units.

The Screening, Editing, and Estimating Procedure

Each completed questionnaire returned was edited and screened both manually and mechanically for consistency and accuracy. The resulting "clean data file" served as the basis for calculating estimates. The "clean" employer questionnaires were separated into seven size groups by industry, the size being determined by the number of persons employed by each. The reported total employment and occupational employment on each form was then multiplied by the weight which had been assigned to it during the sample selection. This data was then tied into the universe employment for the report month of April, May, or June 1984 depending on the industry. These universe, or benchmark, figures came from the second quarter 1984 ES-202 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. The total weighted survey data by size class, by industry, was divided into the universe data for corresponding size and industry classes. This produced benchmark factors which were applied to the occupational data, thus accounting for any nonresponding units, and any new units which emerged after the sample had been drawn. The resulting occupational estimates were summed across size classes to industry totals and rounded to the nearest ten. The percent of occupational distribution for each industry was then calculated.

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Accuracy of Occupational Employment Data

There are two types or errors which affect the accuracy of the estimates published here--sampling and nonsampling errors. Sampling error is a specific arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample data and the result that would be obtained if the same methods were used to collect identical information from the entire population or universe. The relative error entries listed in this report are the sampling errors of each occupation expressed as a percent of that occupational estimate. In other words, relative error means that the chances are two out of three (a 68 percent confidence level) that the results of a comparable full-scale data collection (the universe) using the same survey approach would not differ by more than the percent error shown. The chances are 19 out of 20 (a 95 percent confidence level) that the results would not differ by more than twice the percent error shown. For example, it is estimated in this report that there are 2,230 tellers in the banking industry, with a 3 percent relative error. Thus, at a 68 percent confidence level, it is assured that the results of a full-scale count of tellers in this industry would not differ from this estimate by more than 67 workers (2,230 x .03). At a 95 percent confidence level, the universe count would not differ from the estimate by more than 6 percent of 2,230 or 134 workers.

Nonsampling errors result from external factors in a survey rather than from the fact that a sampling technique was used. Examples of these errors are: response errors, processing errors, computational errors, etc. The possibility of these errors was recognized from the start of the survey and every effort was made to avoid them.

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